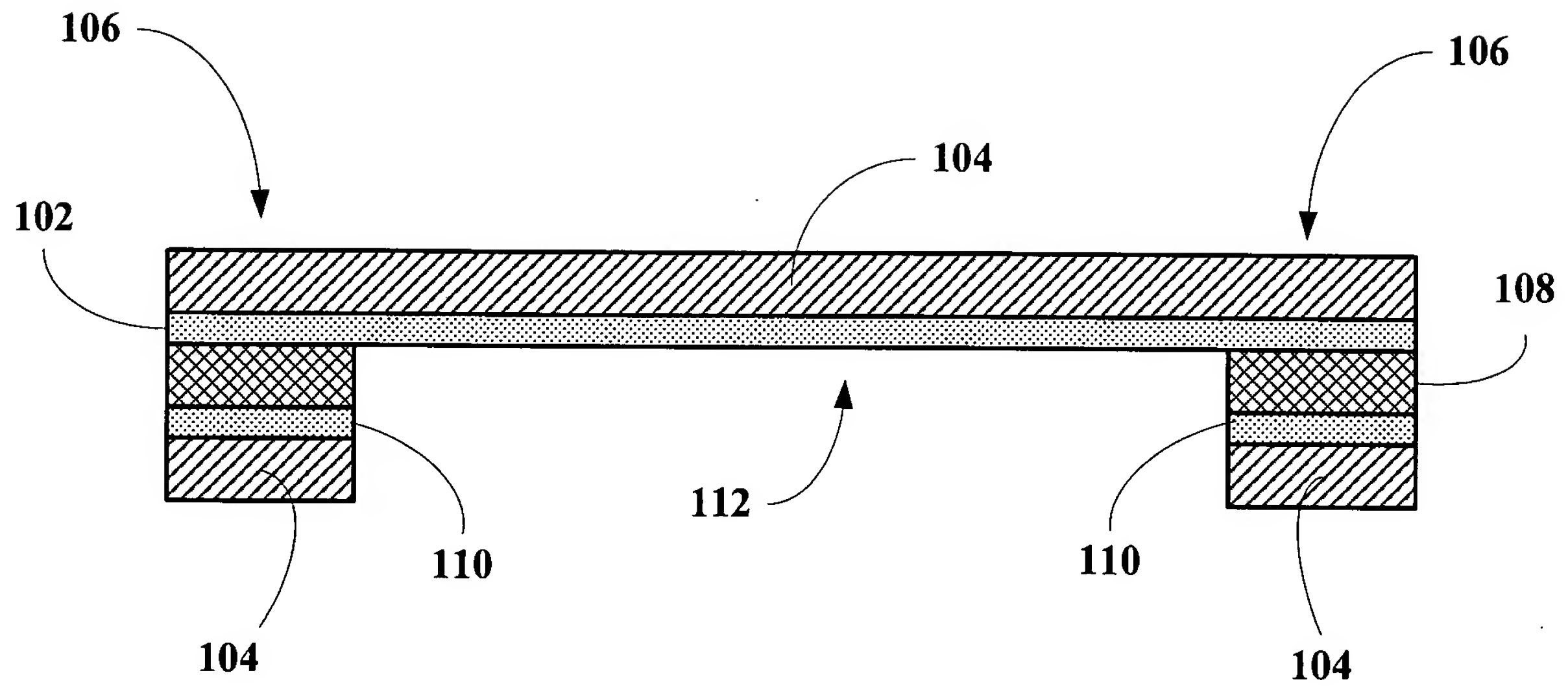
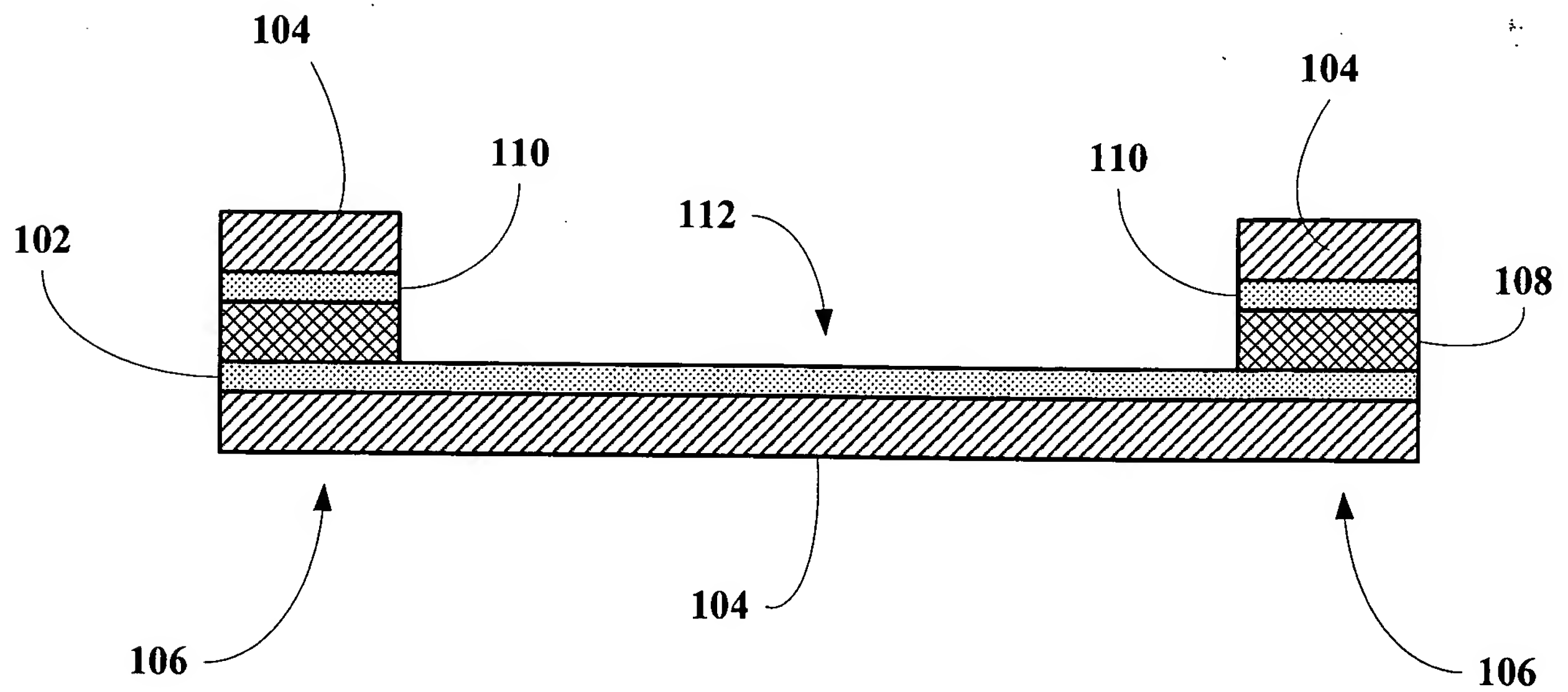
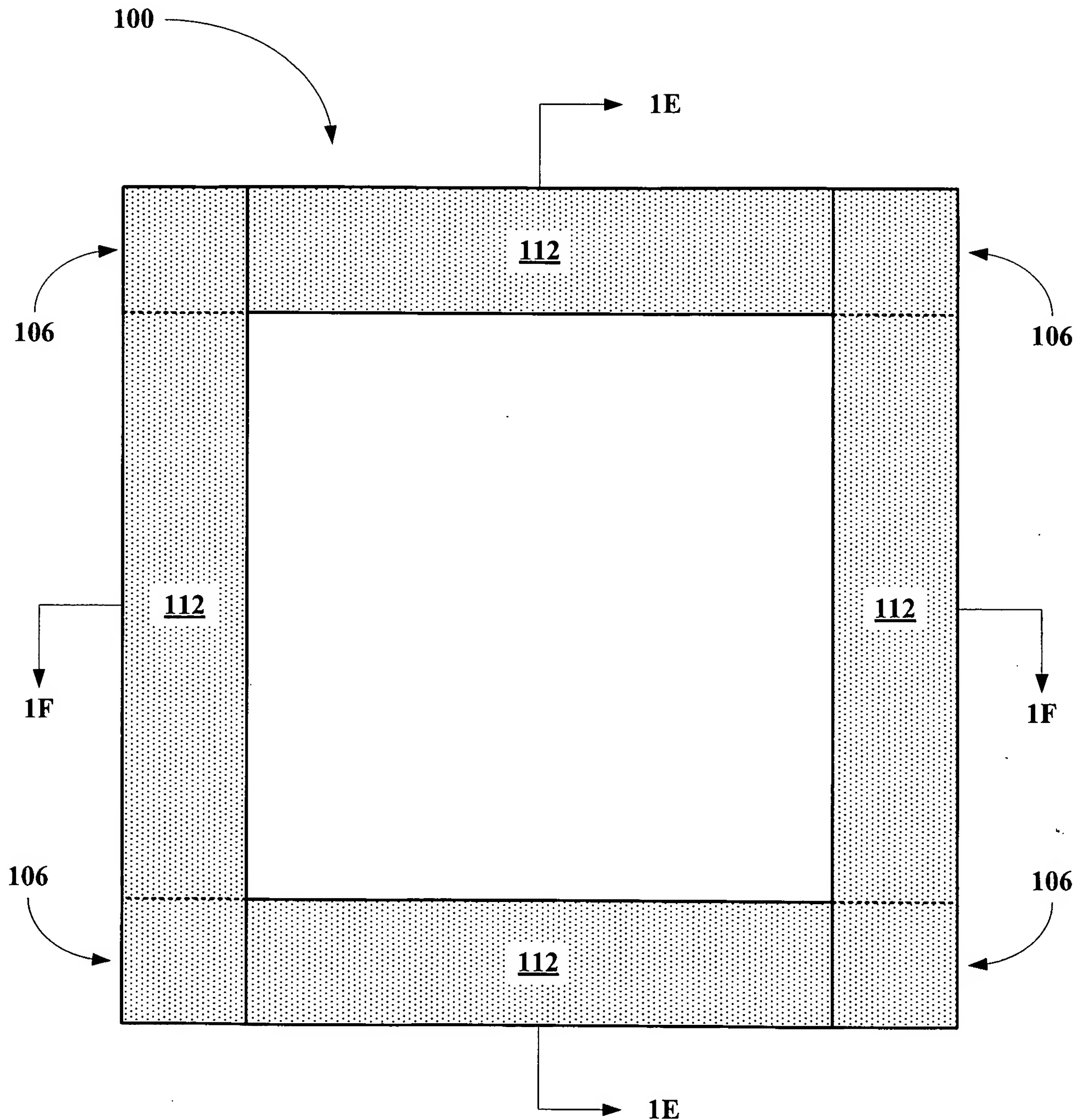


FIG. 1A

**FIG. 1B****FIG. 1C**

**FIG. 1D**

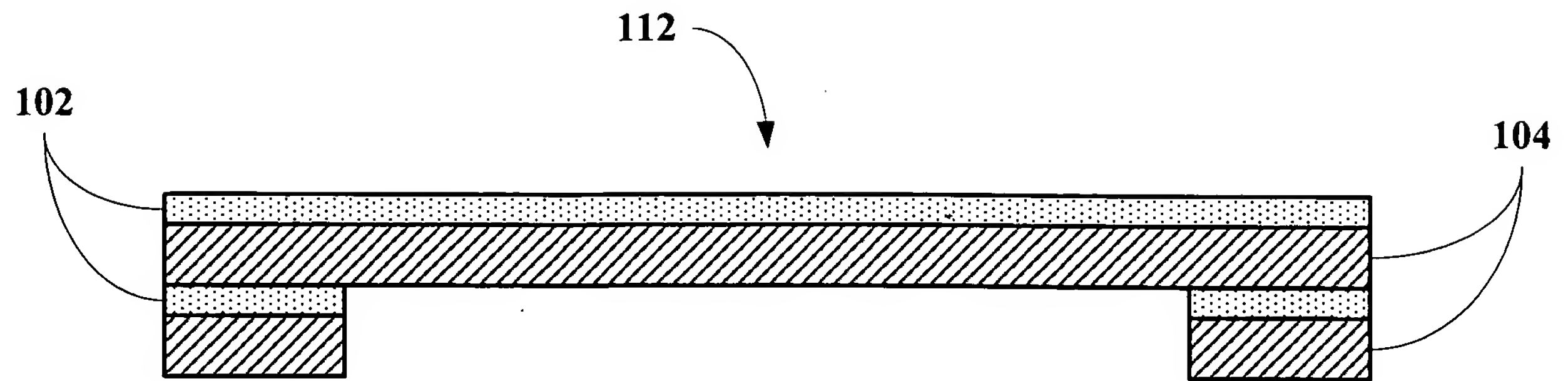


FIG. 1E

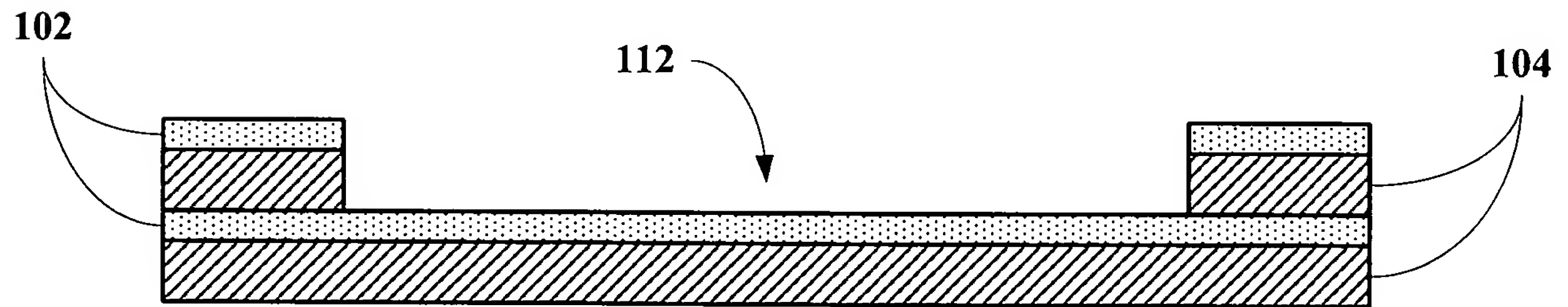
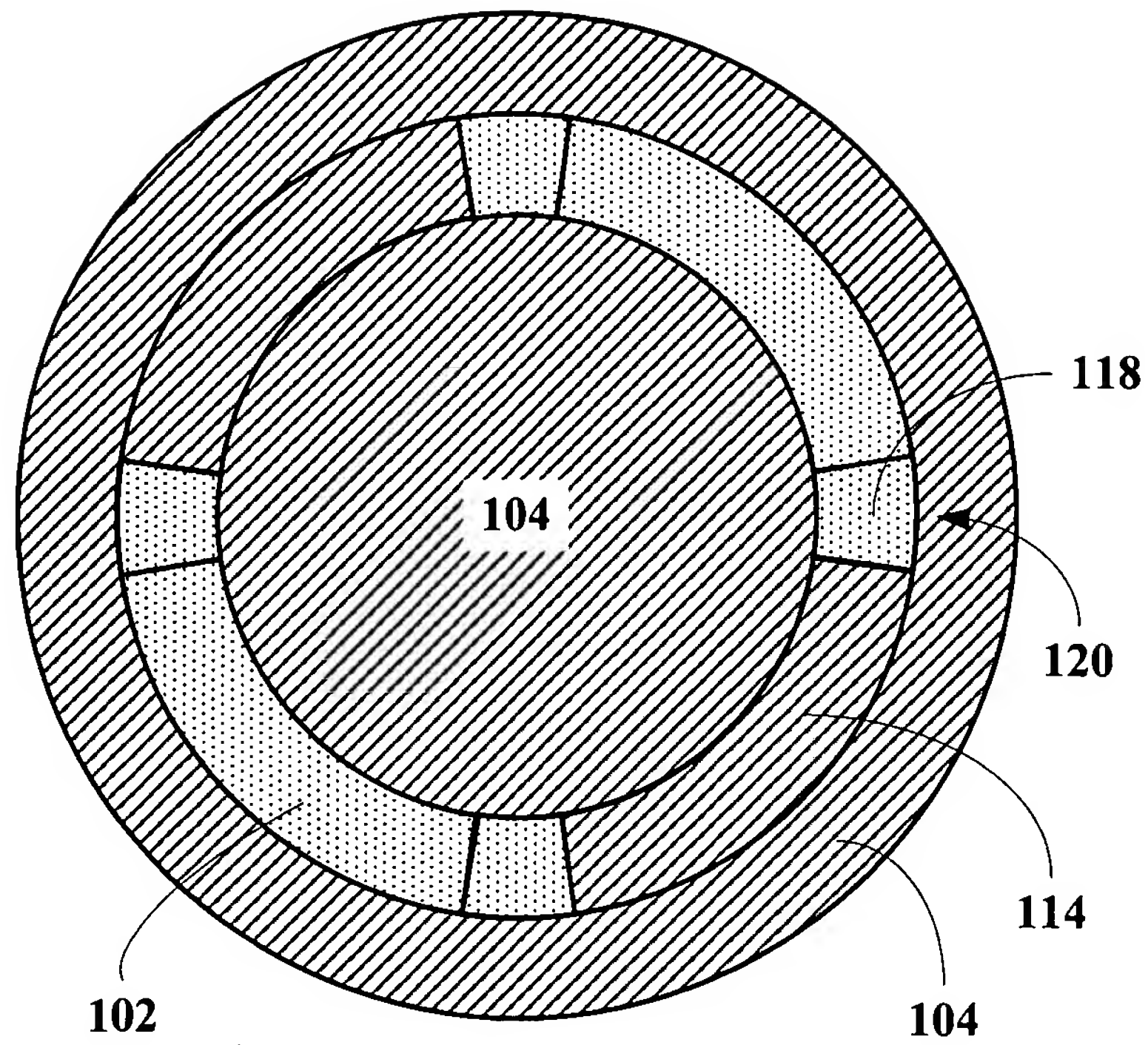
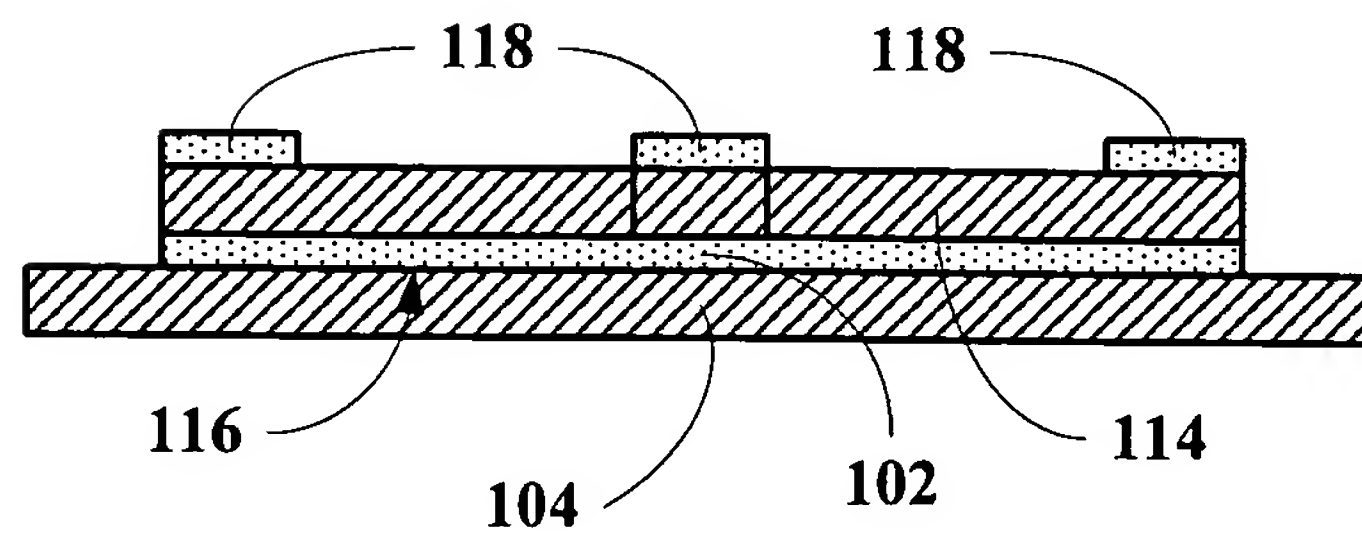
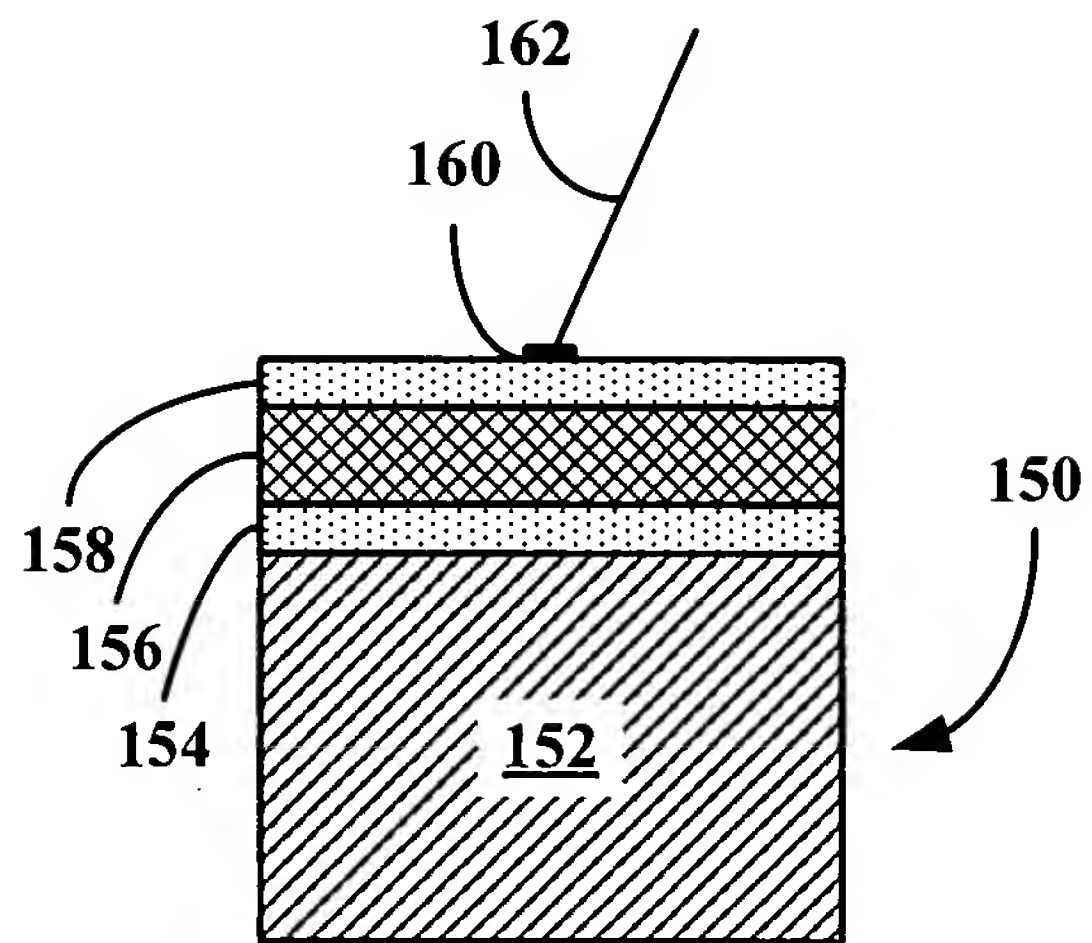
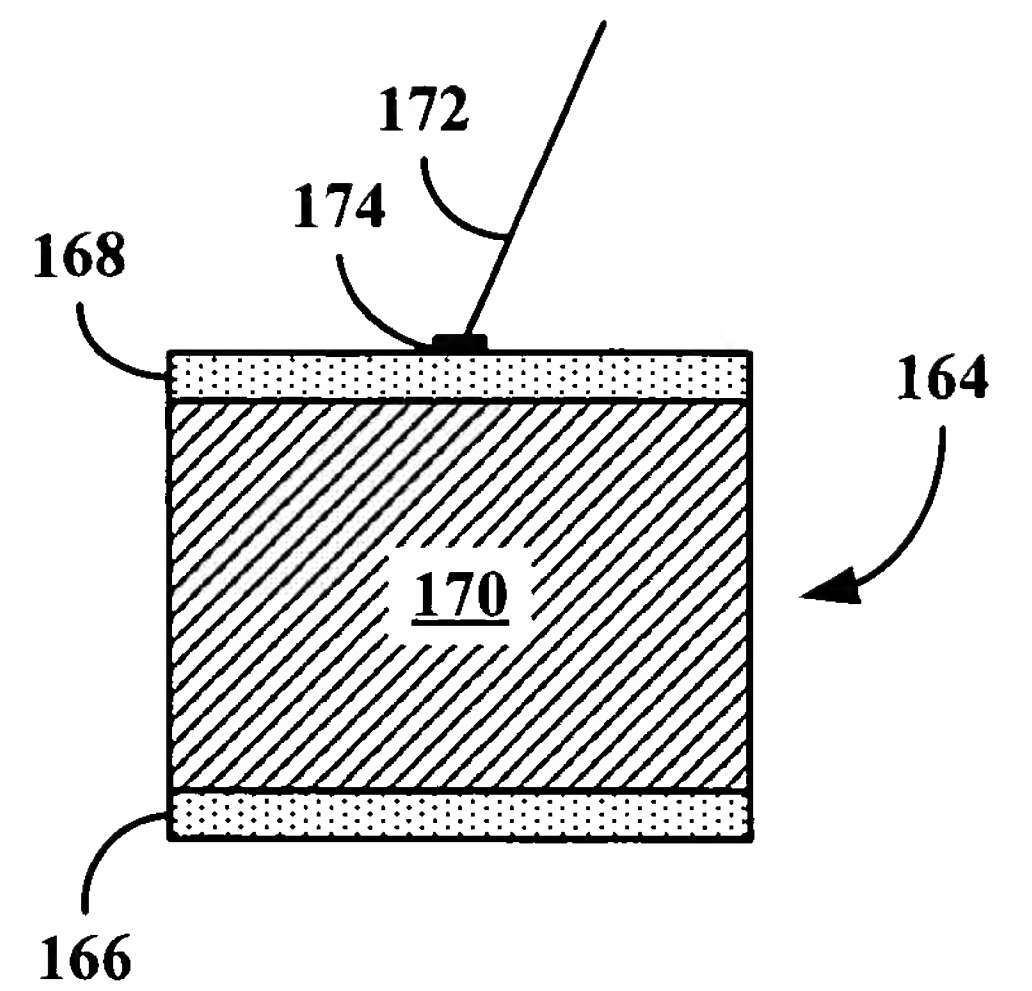
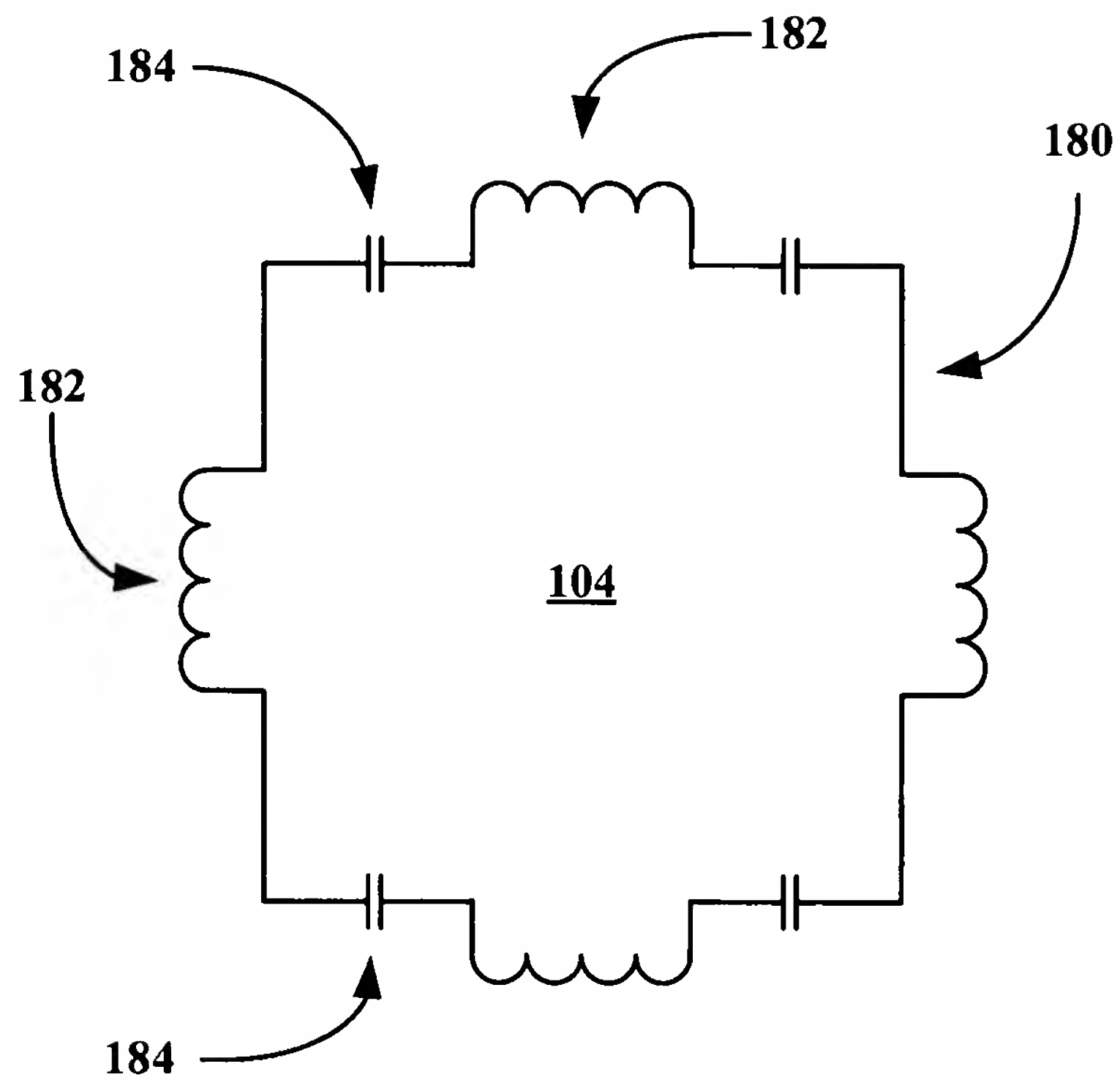


FIG. 1F

**FIG. 1G****FIG. 1H**

**FIG. 1I****FIG. 1J****FIG. 1K**

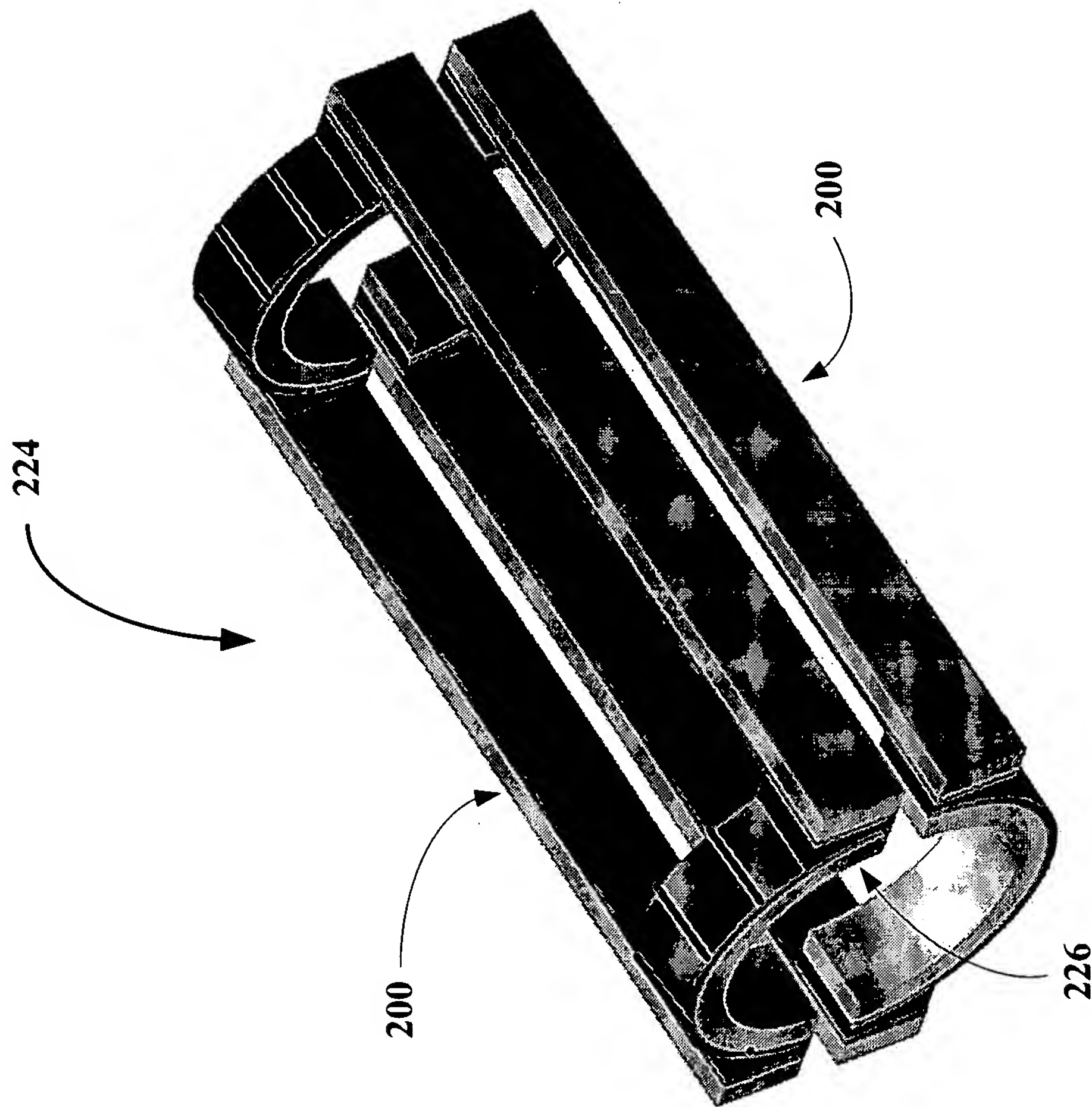


FIG. 2B

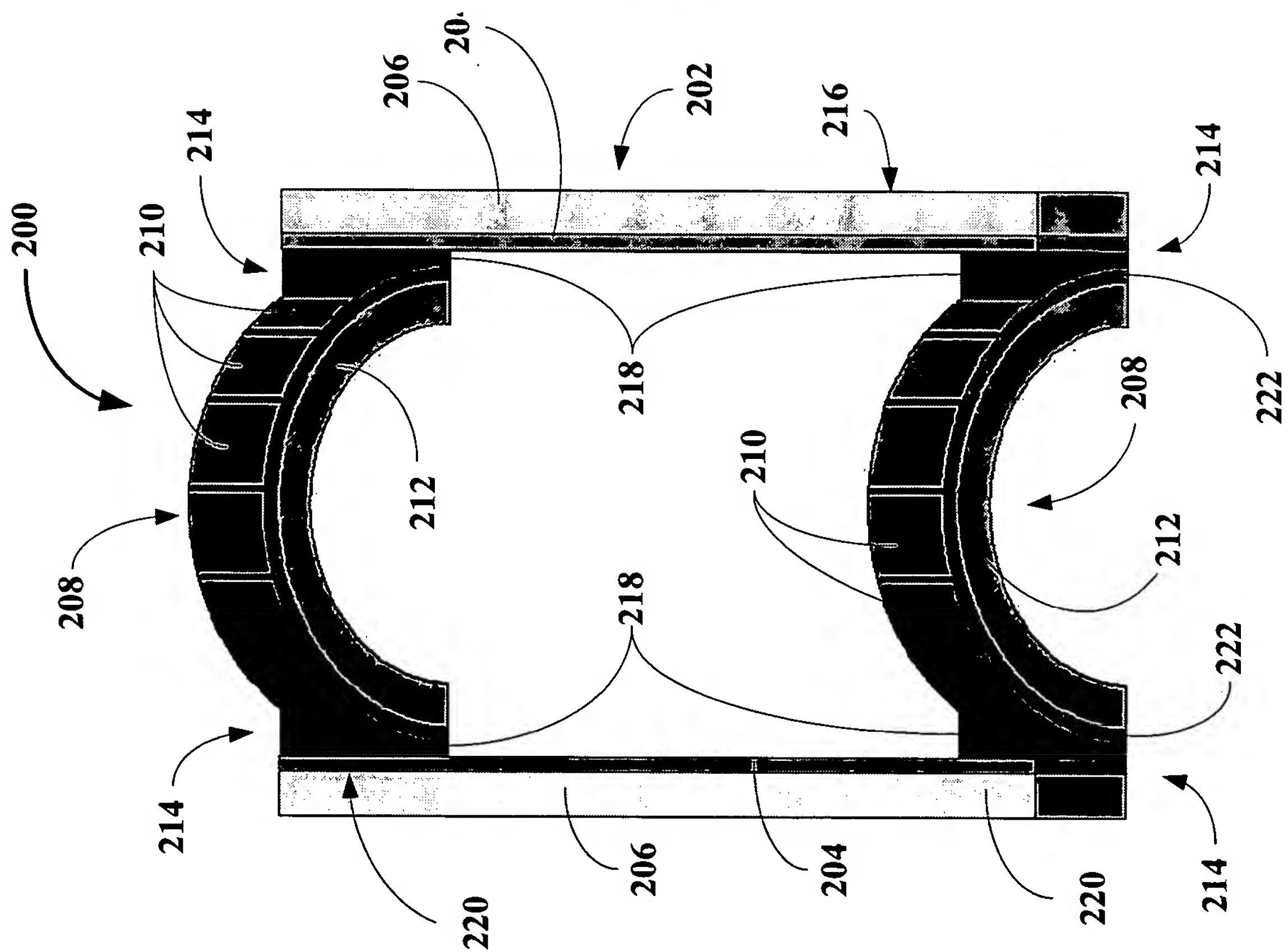


FIG. 2A

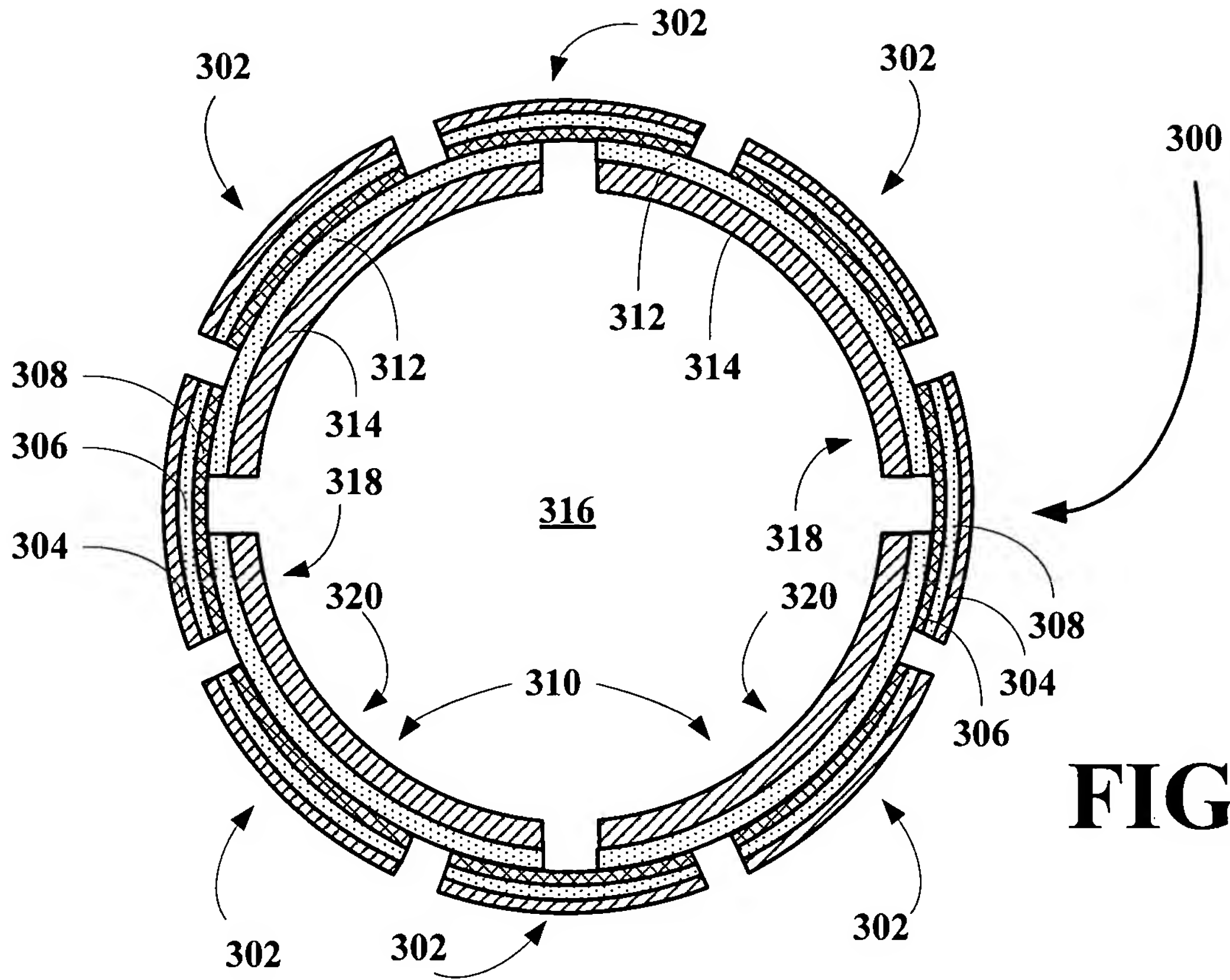


FIG. 3A

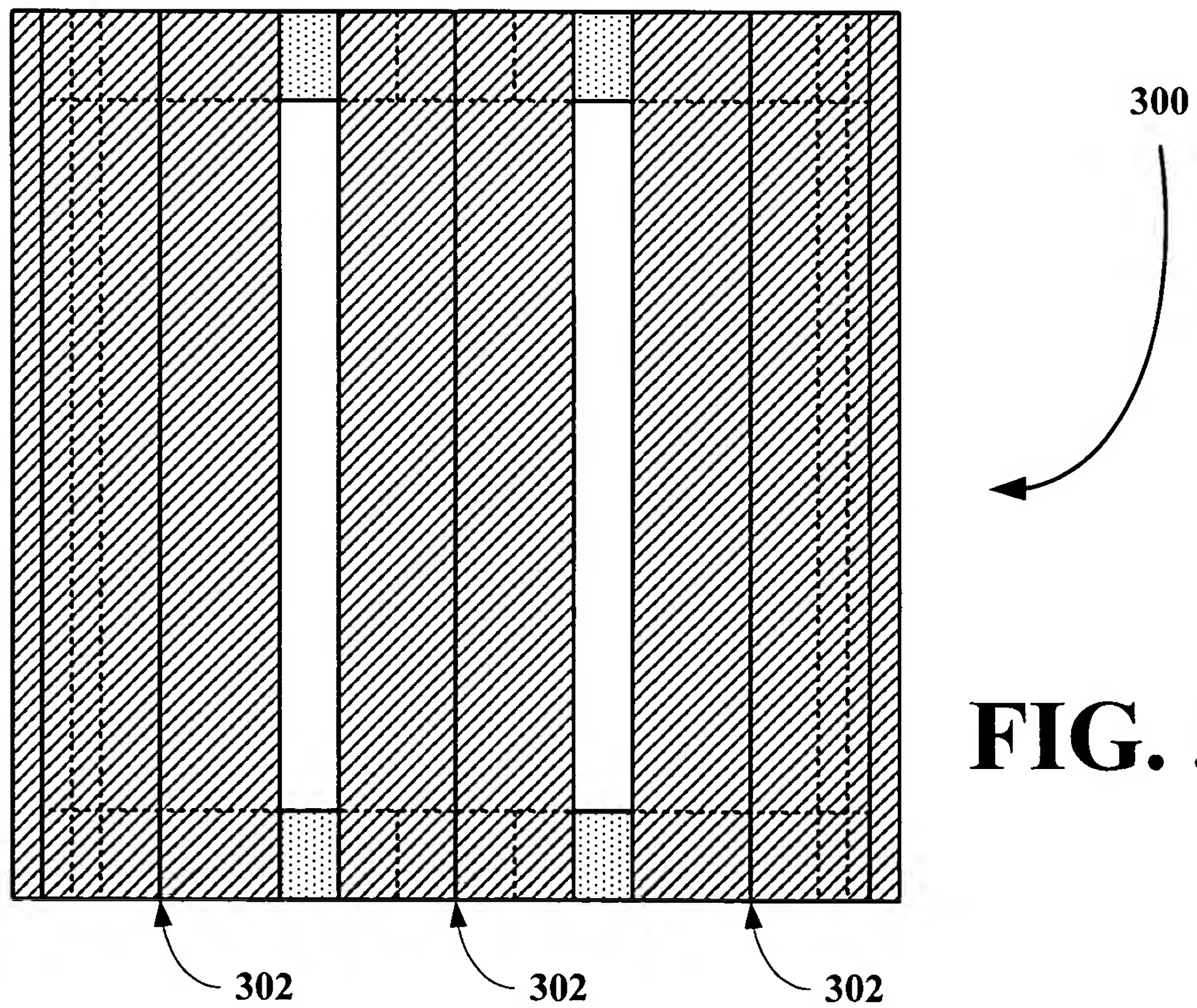


FIG. 3B

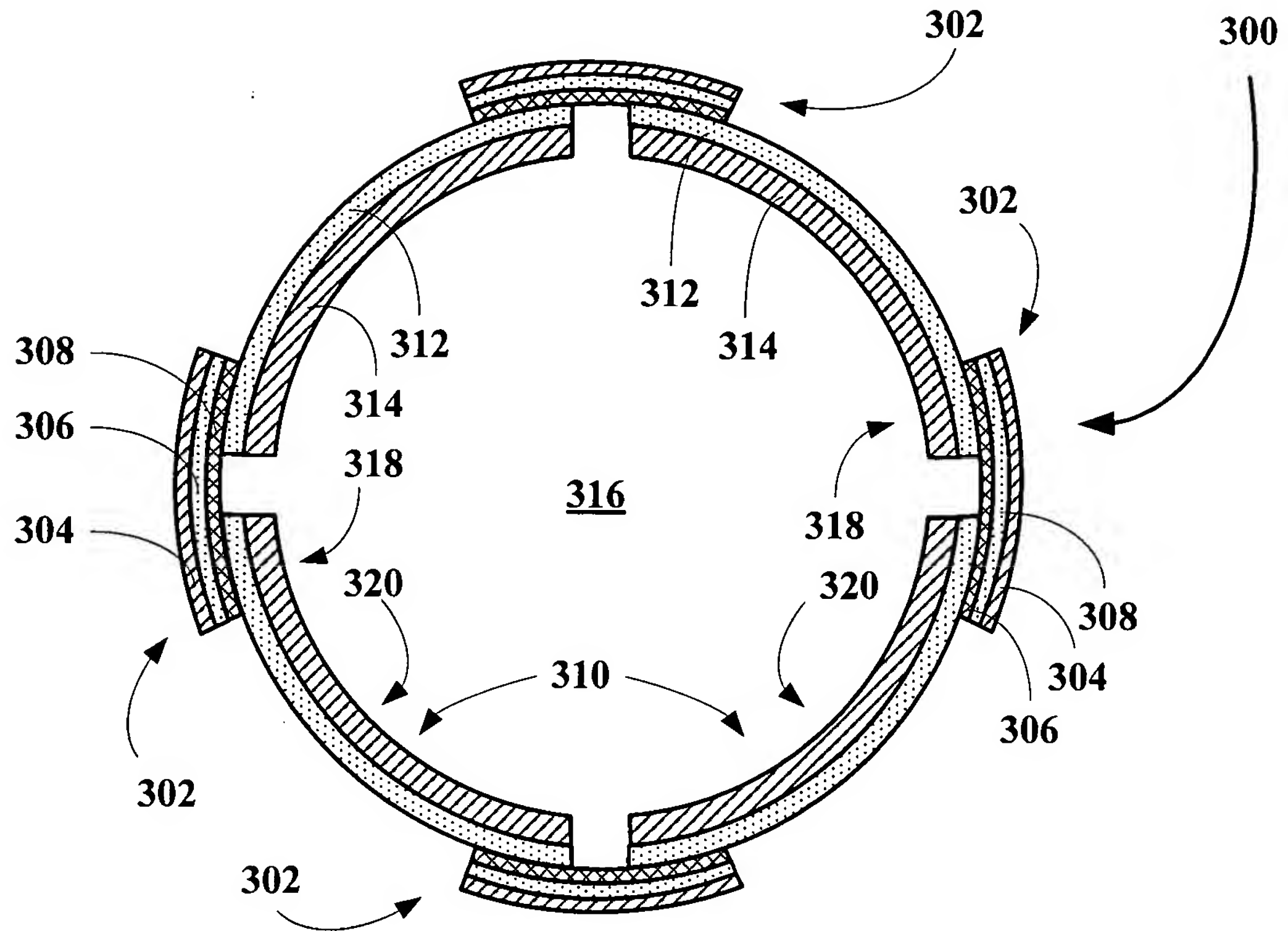


FIG. 3C

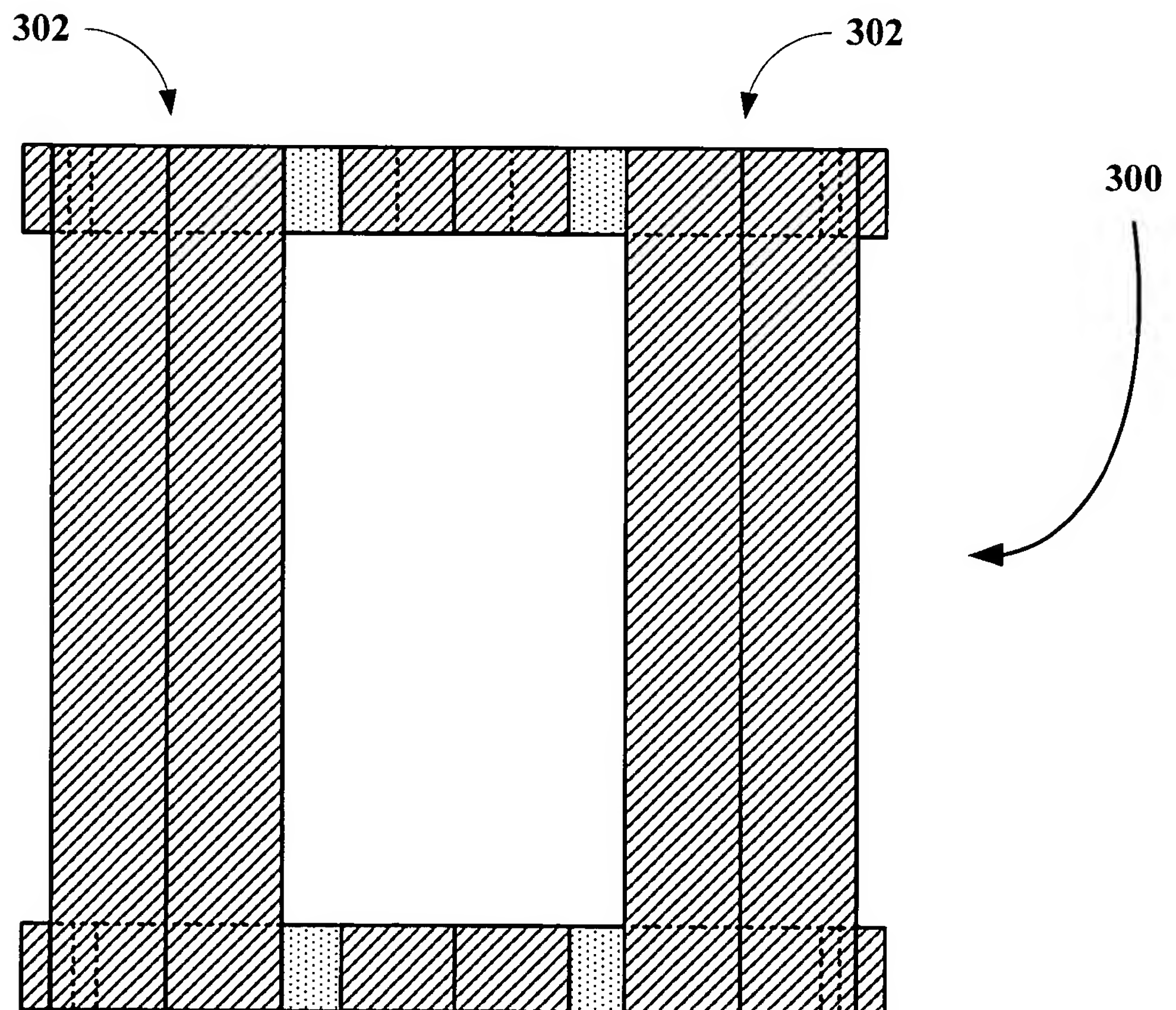


FIG. 3D

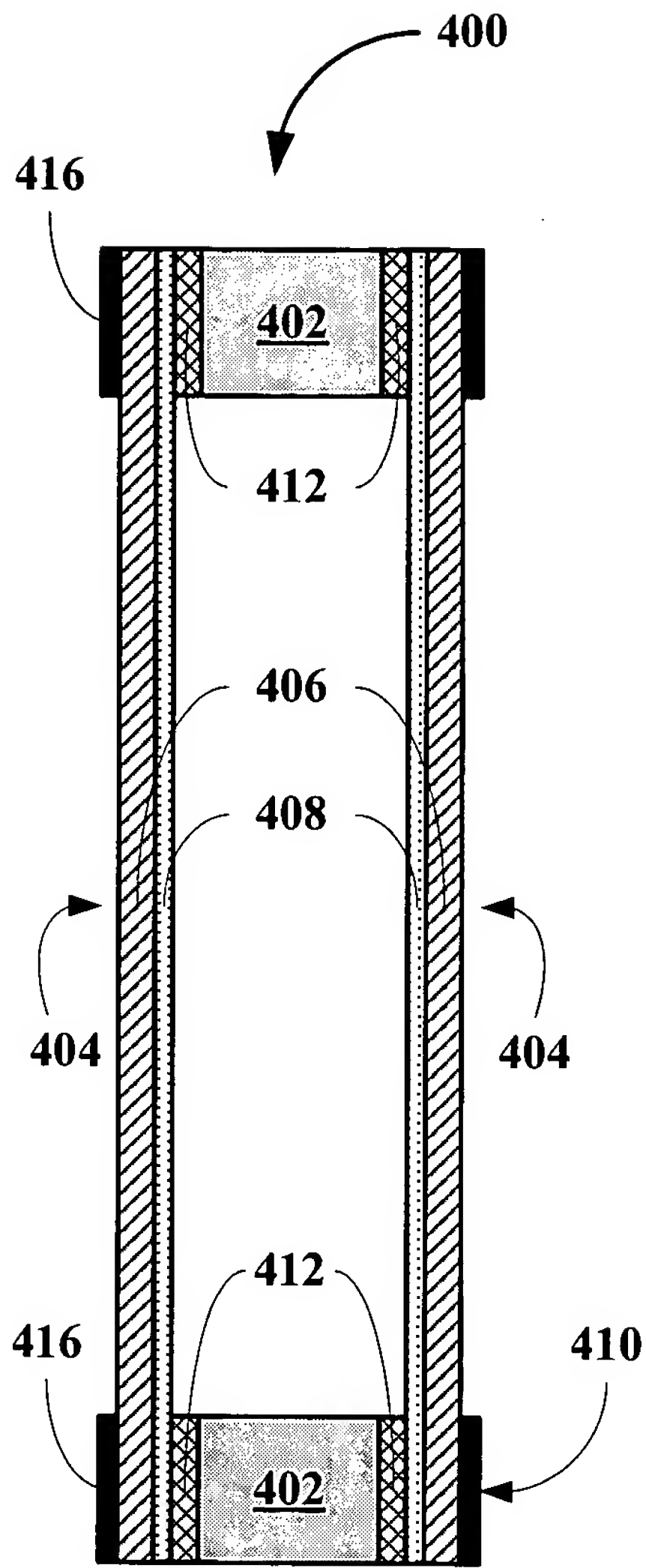


FIG. 4A

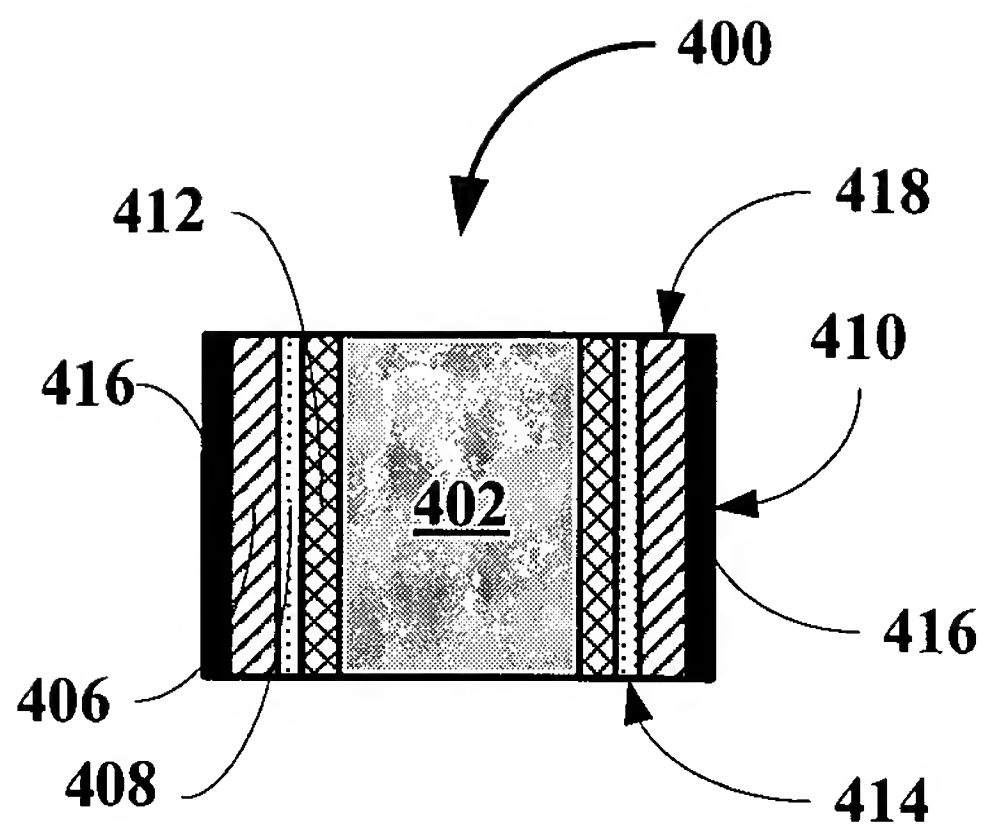


FIG. 4B

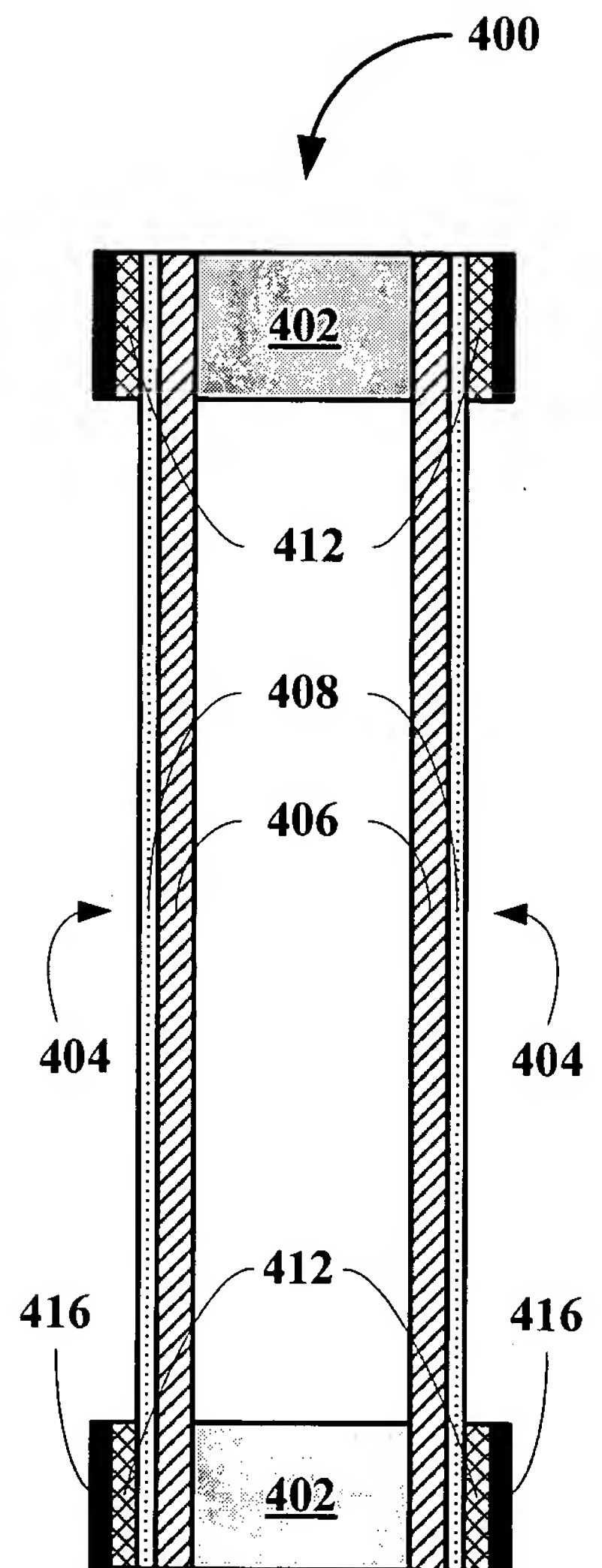


FIG. 4C

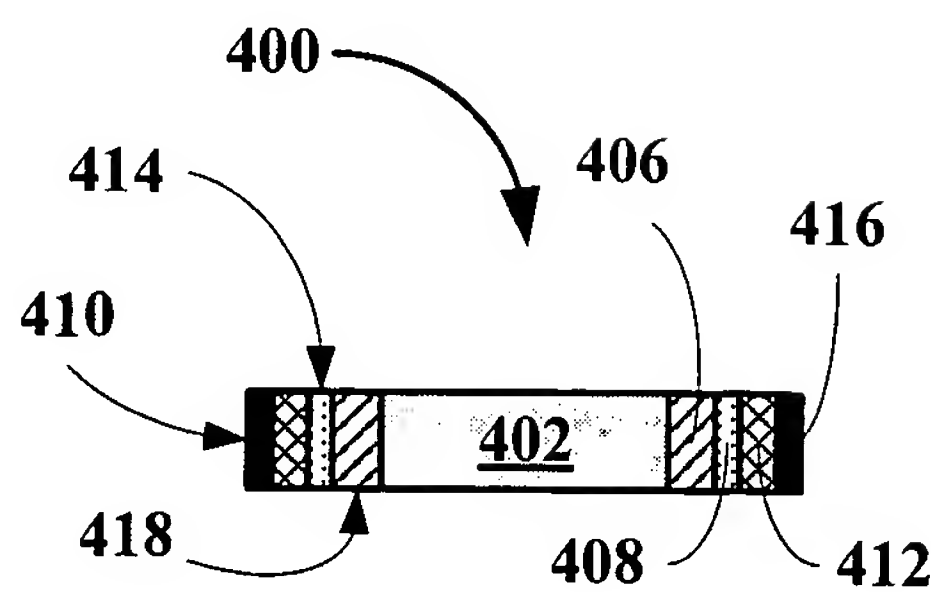


FIG. 4D

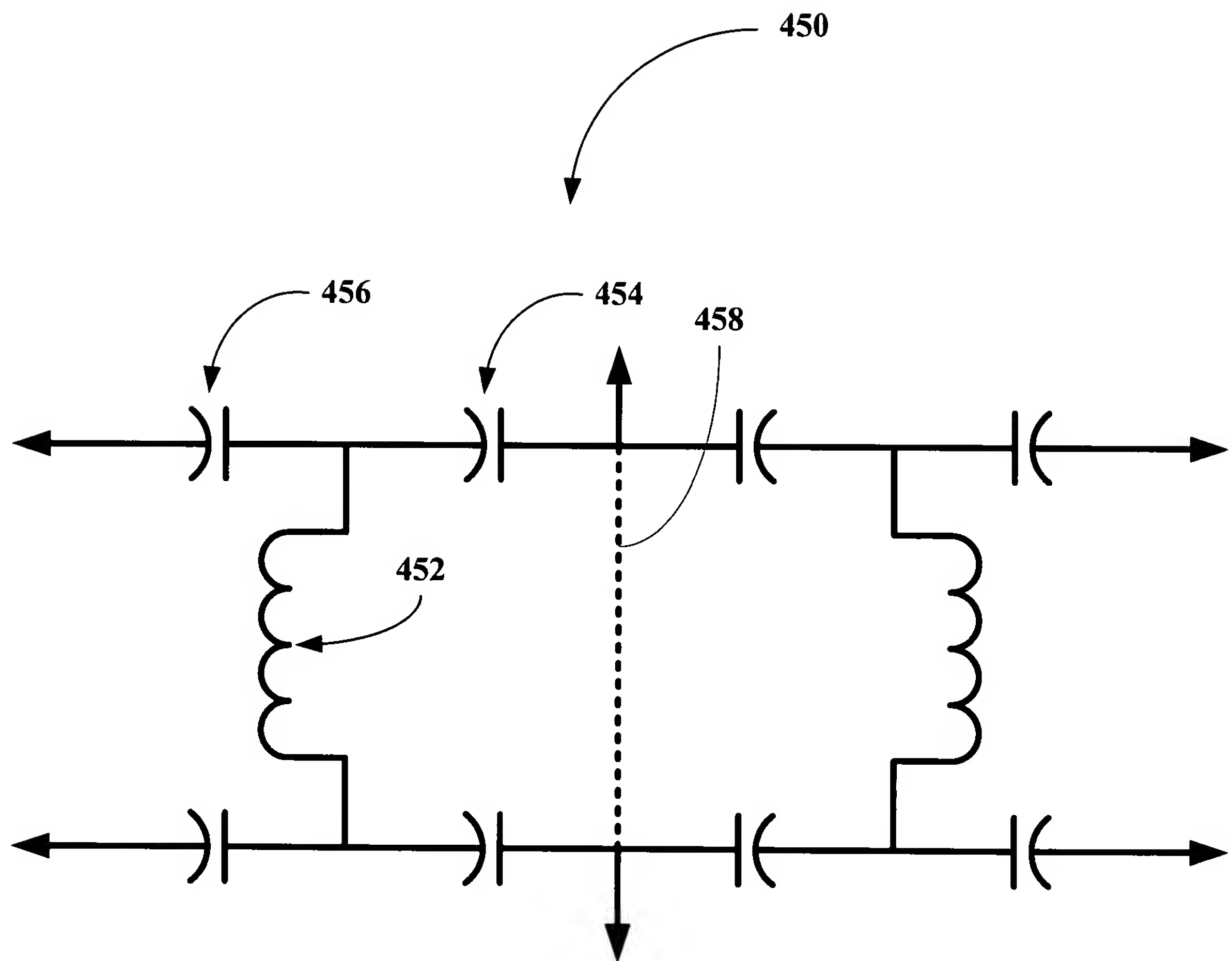


FIG. 4E

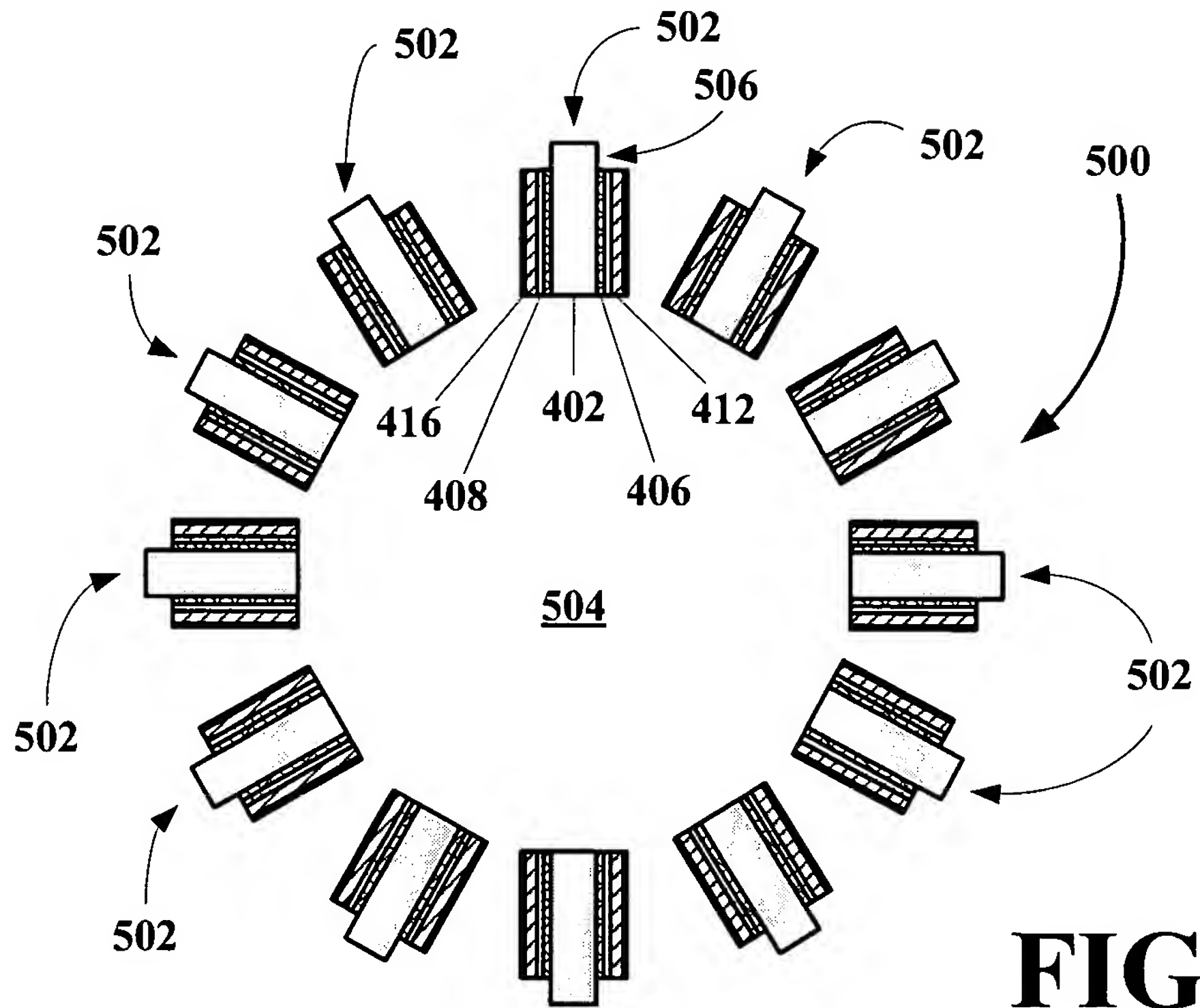


FIG. 5A

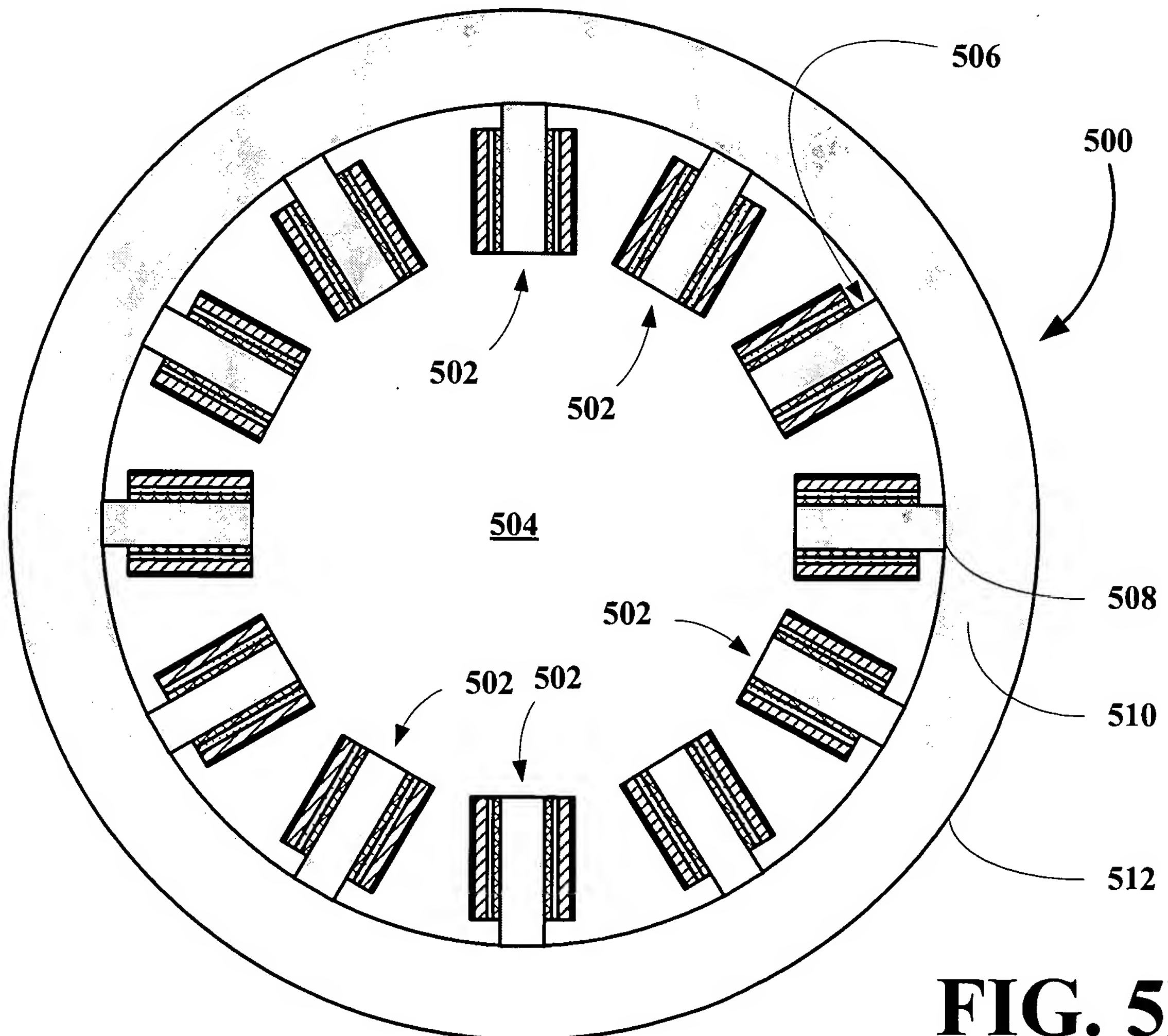


FIG. 5B

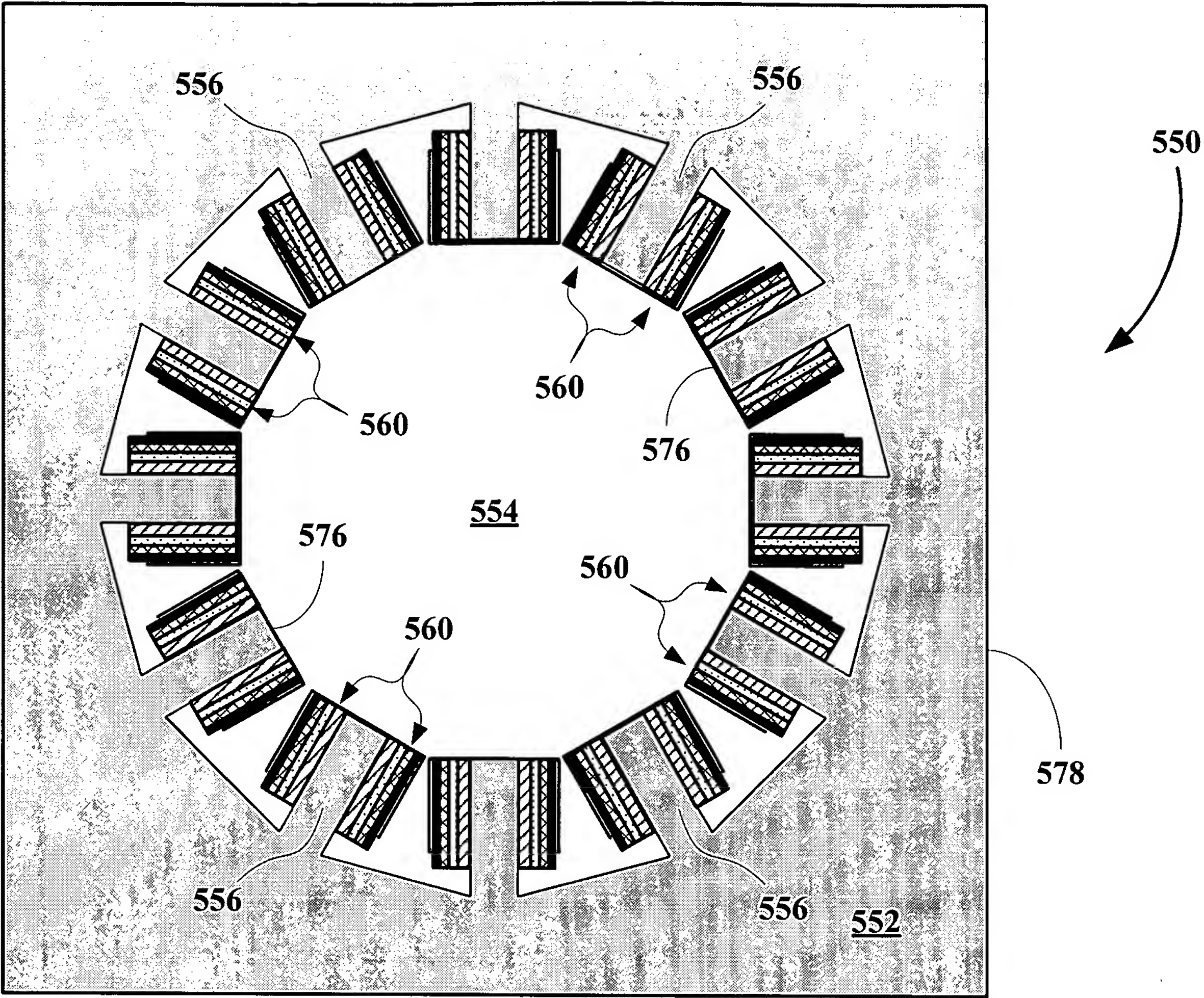


FIG. 5C

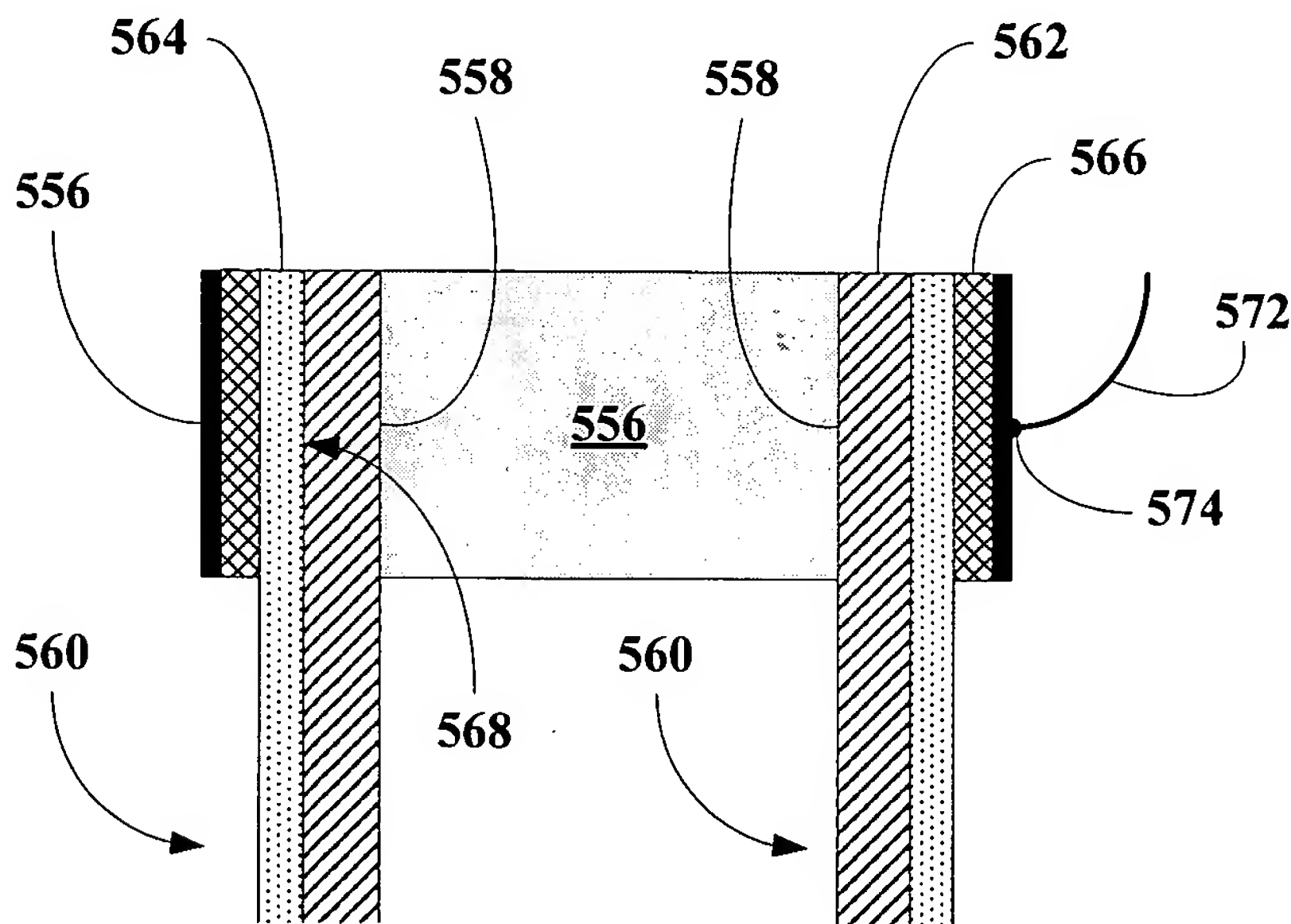


FIG. 5D

C – Coil Capacitor
L – Coil Inductance
CC – Coupling Capacitor
DC – De-coupling Capacitor
CM – Matching Capacitor
O/P - OUTPUT TO PRE-AMP

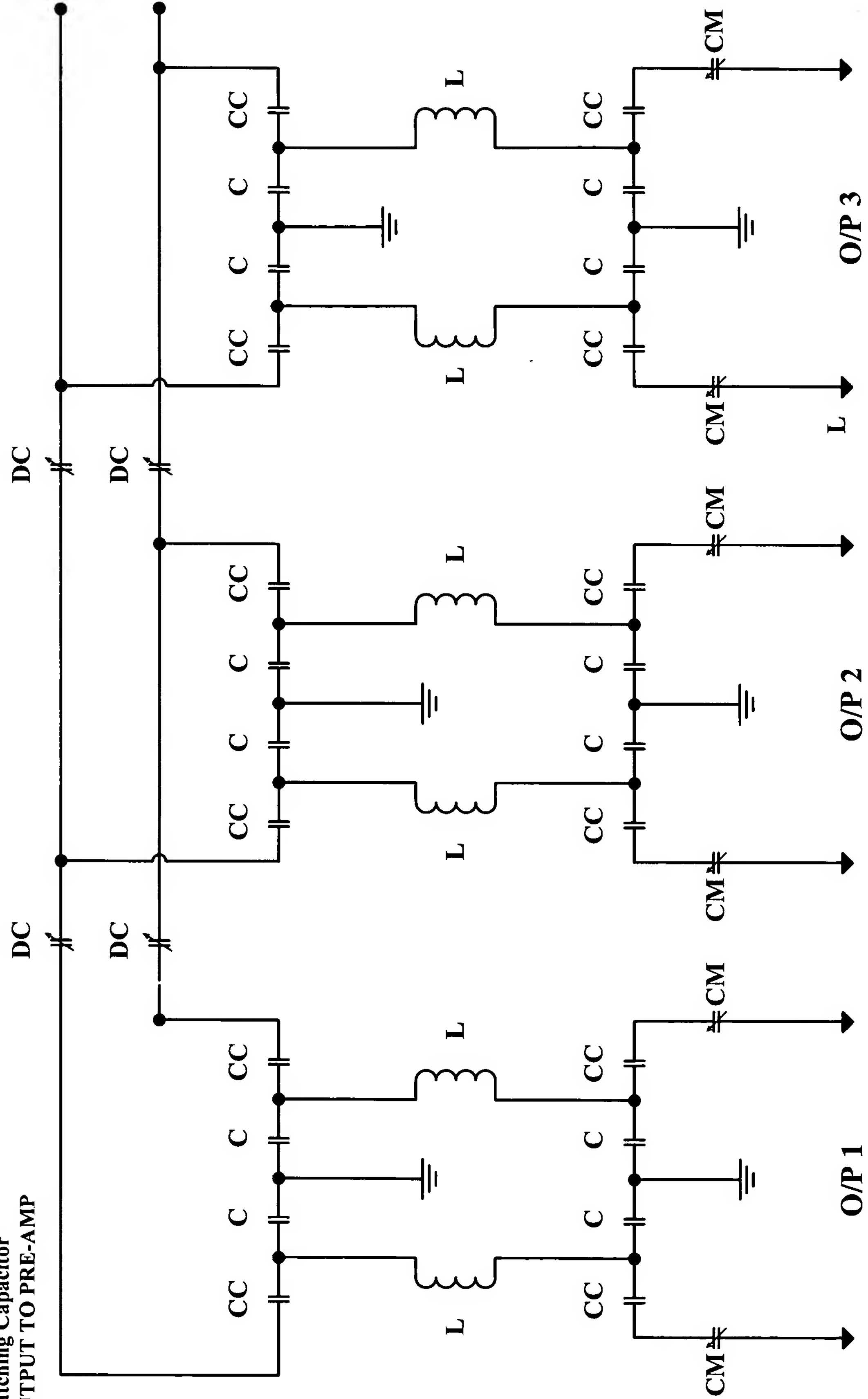


FIG. 5E

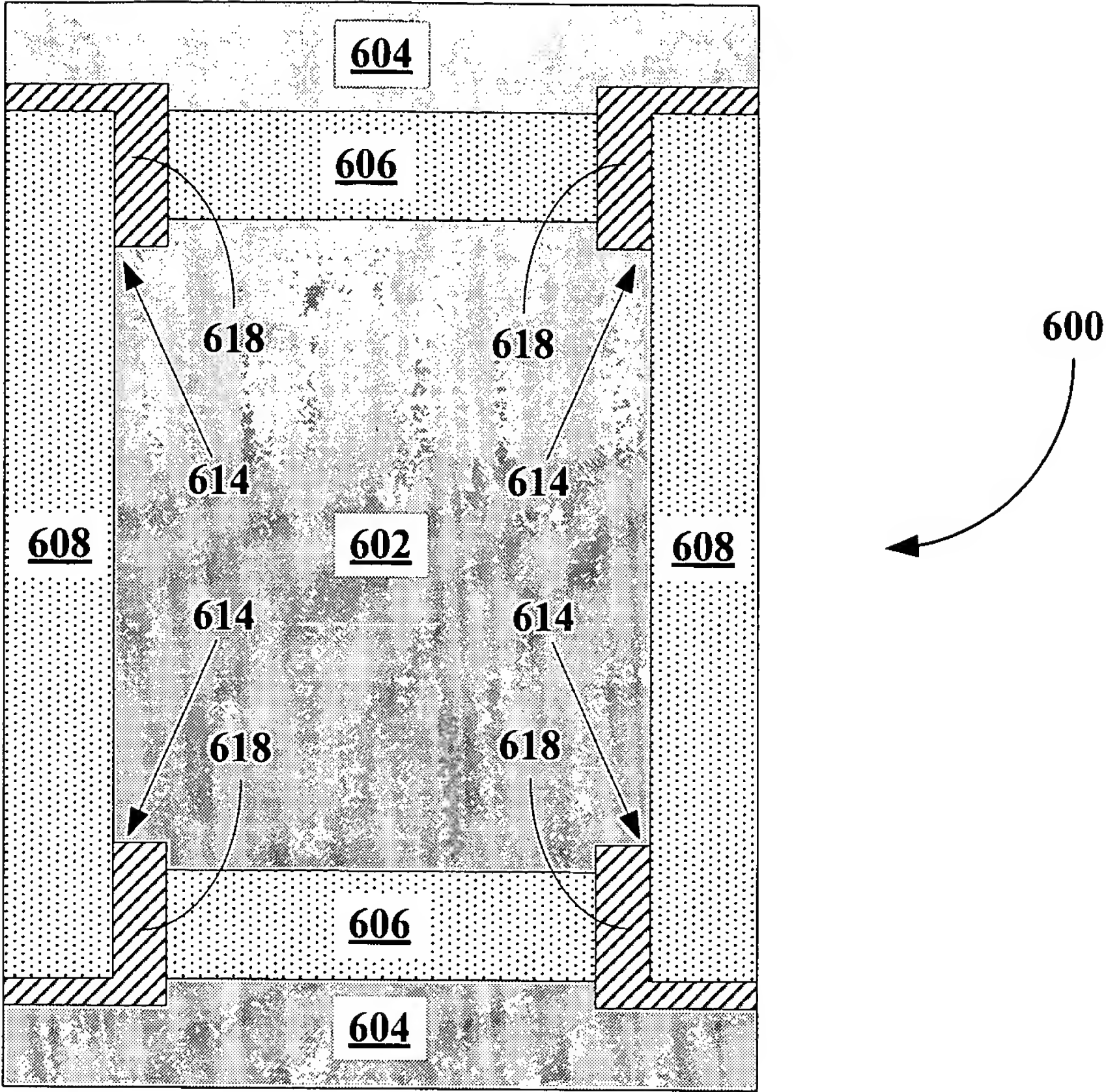


FIG. 6A

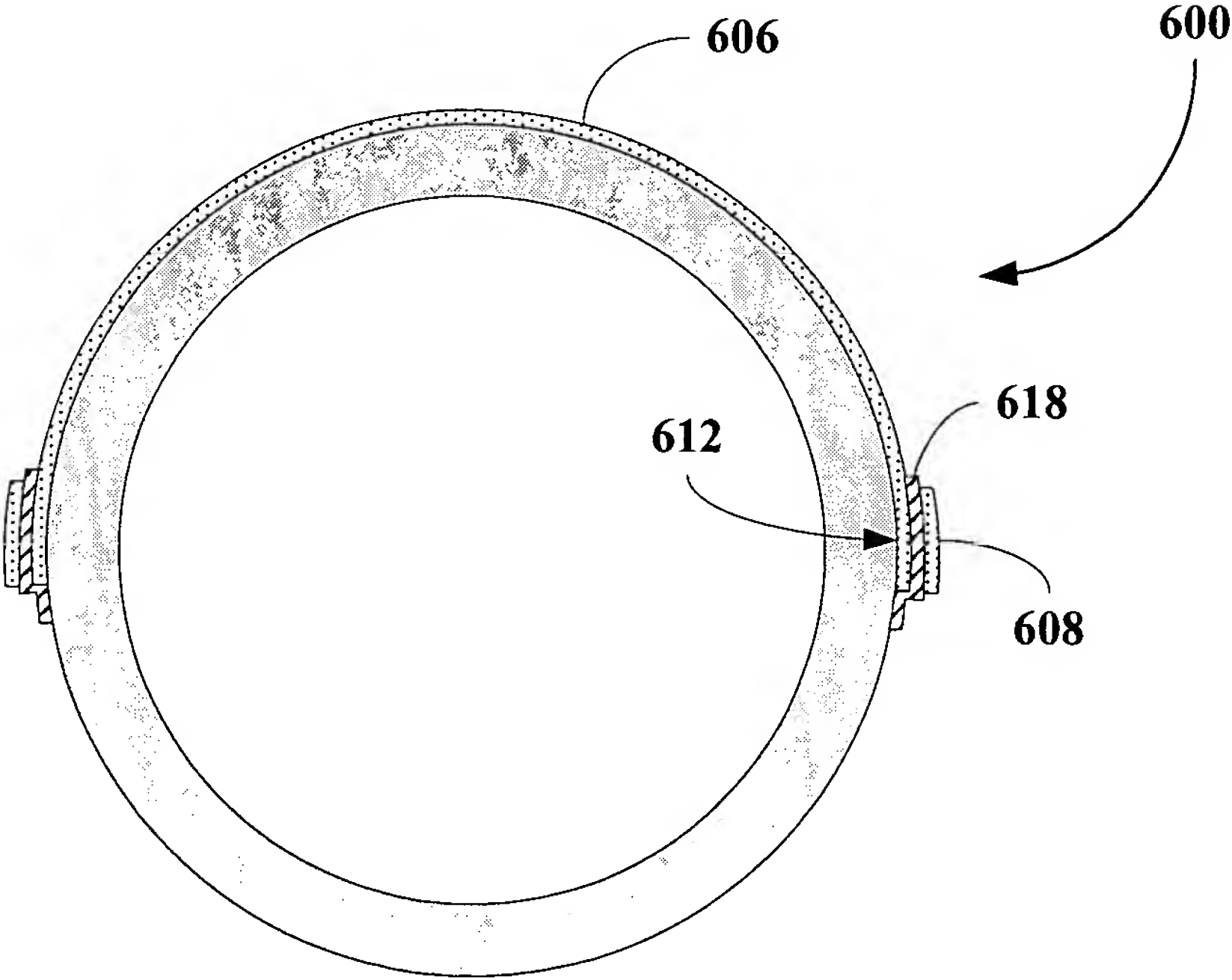


FIG. 6B

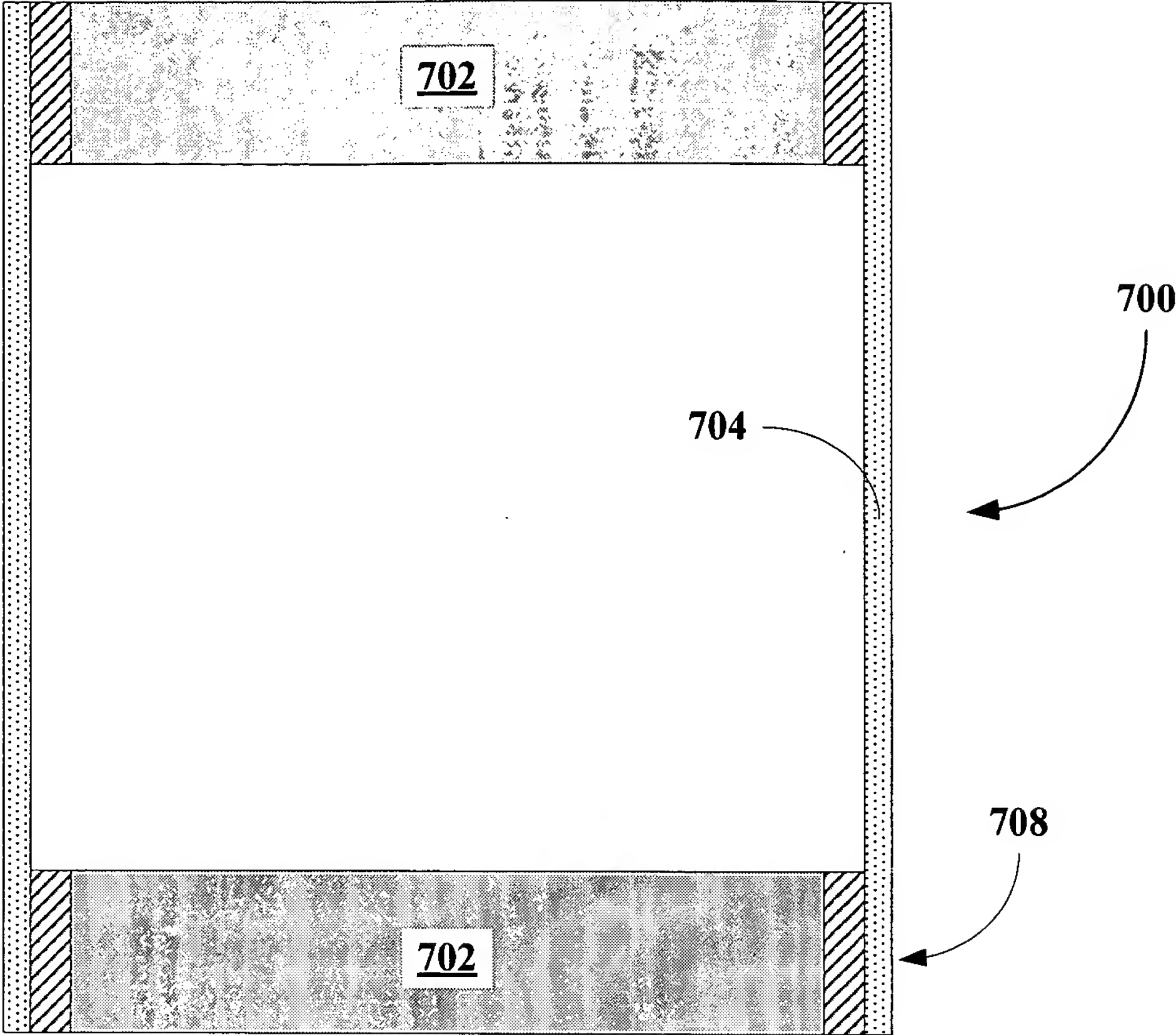


FIG. 7A

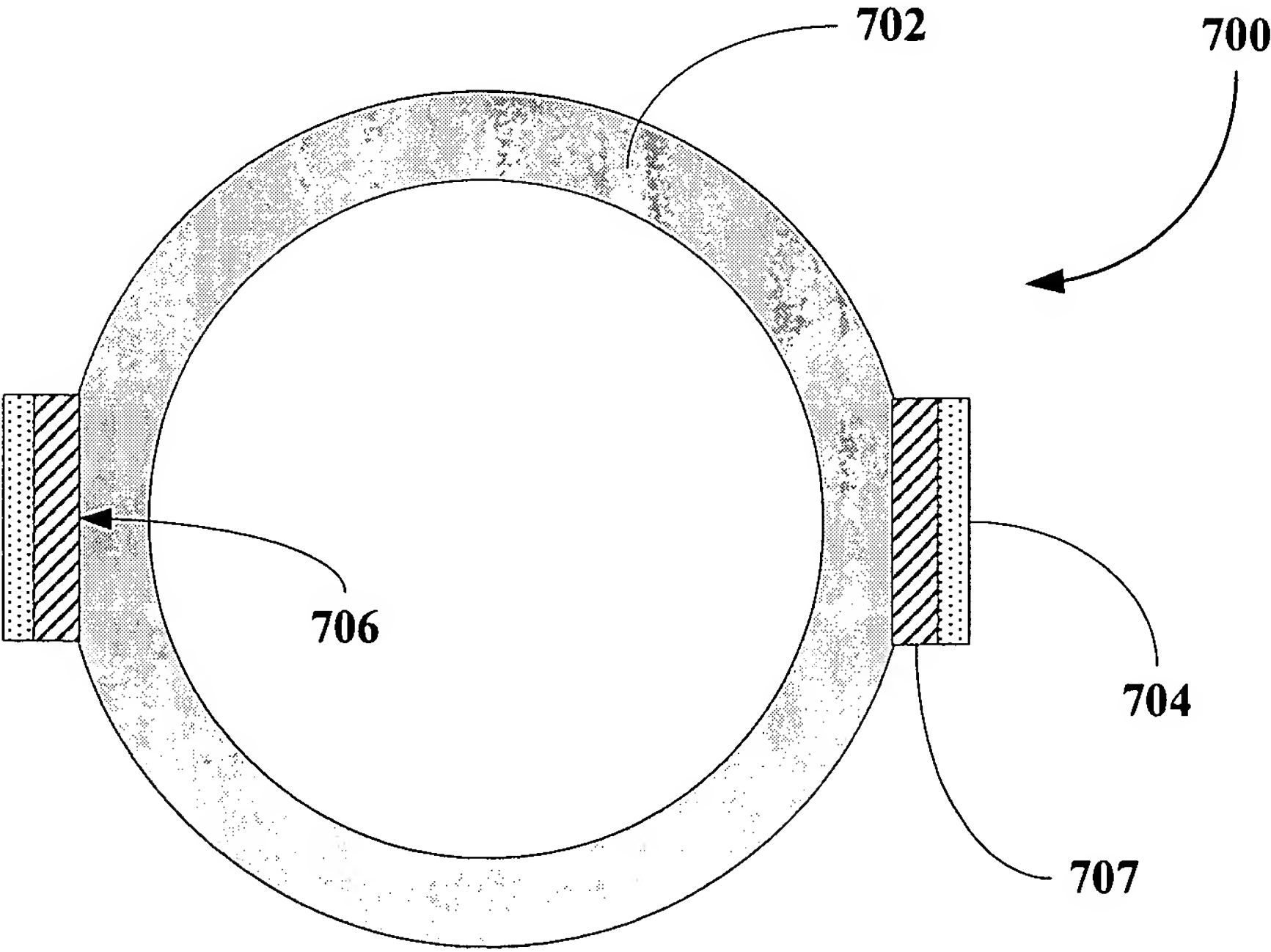
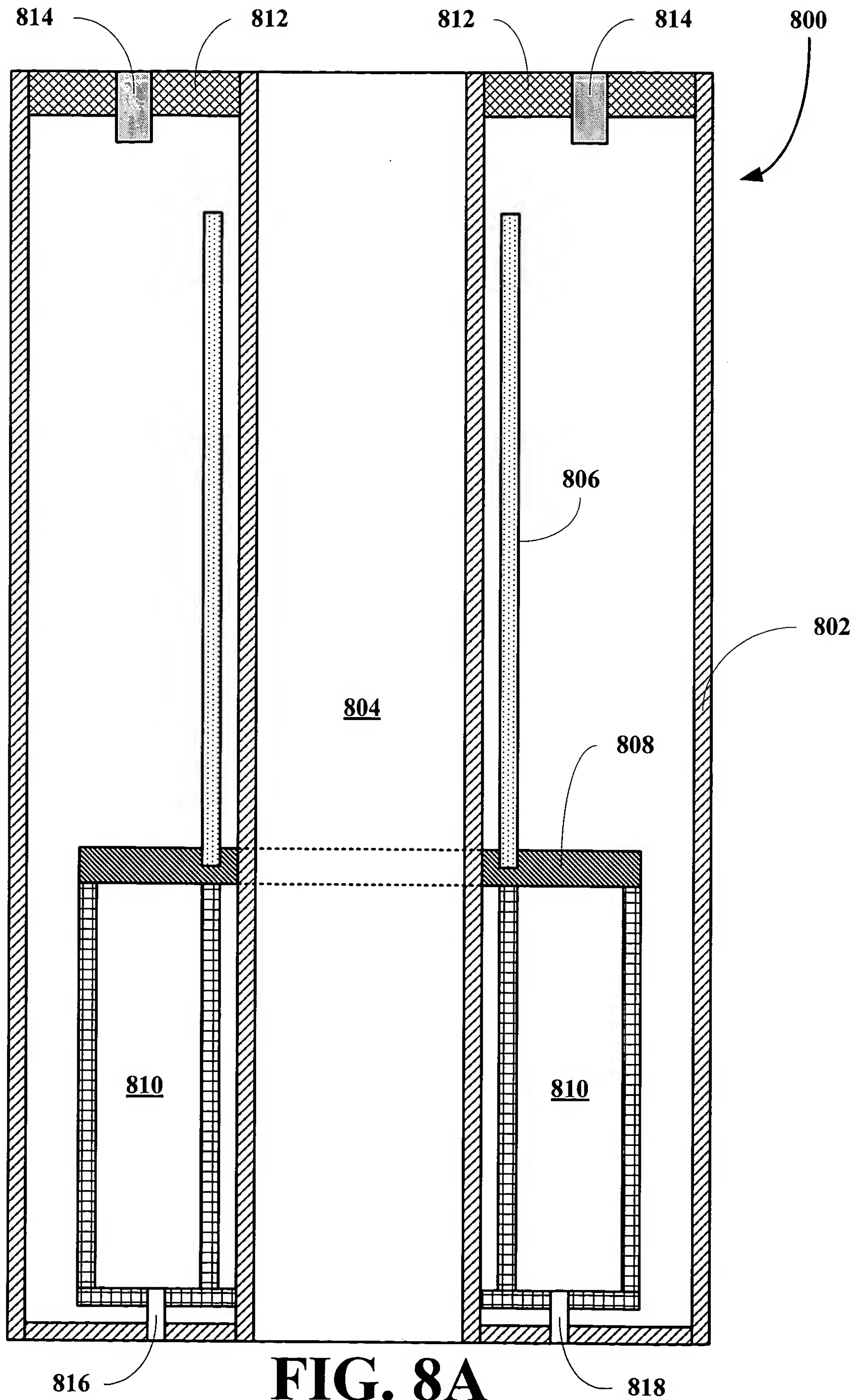


FIG. 7B



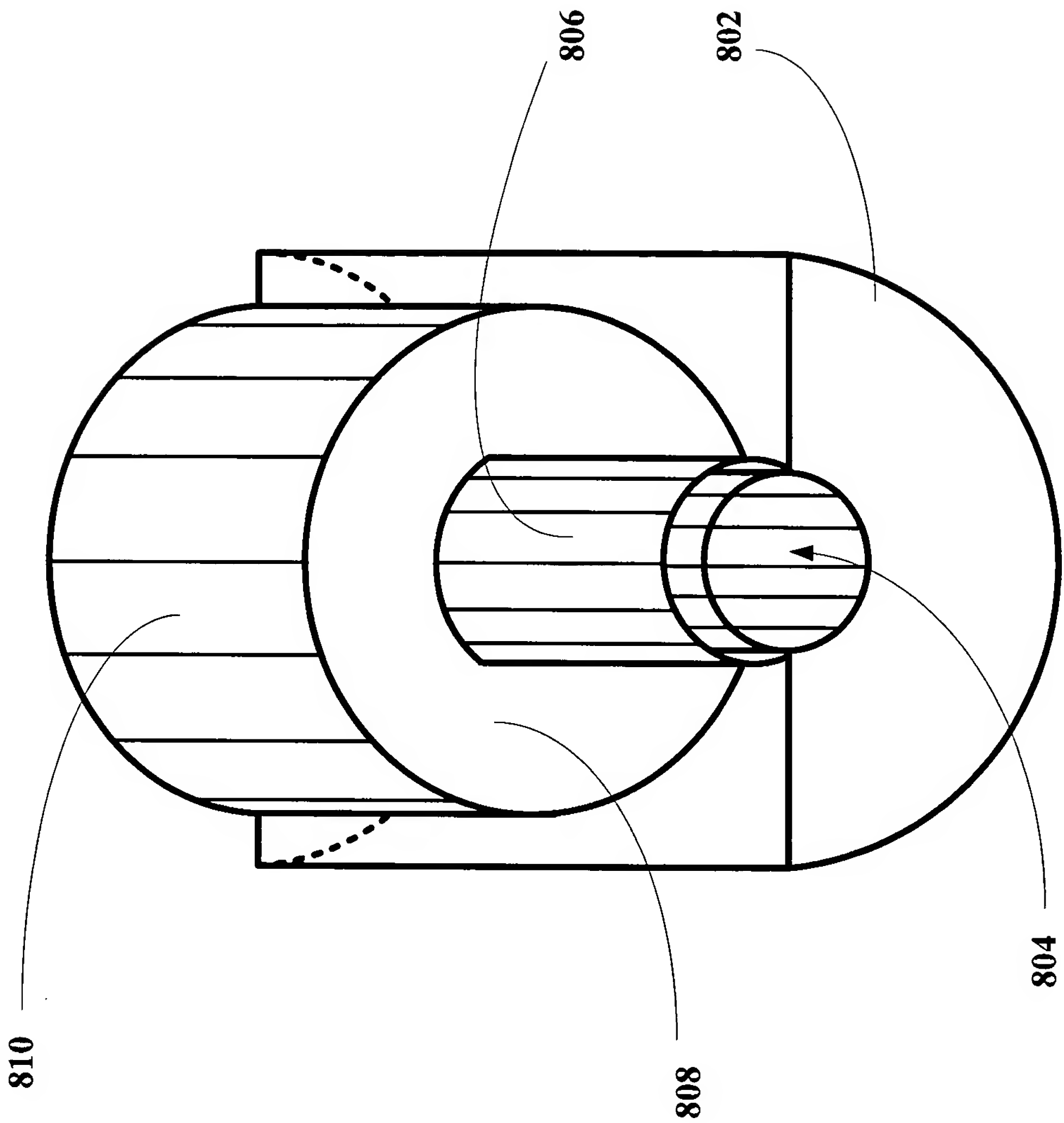


FIG. 8B

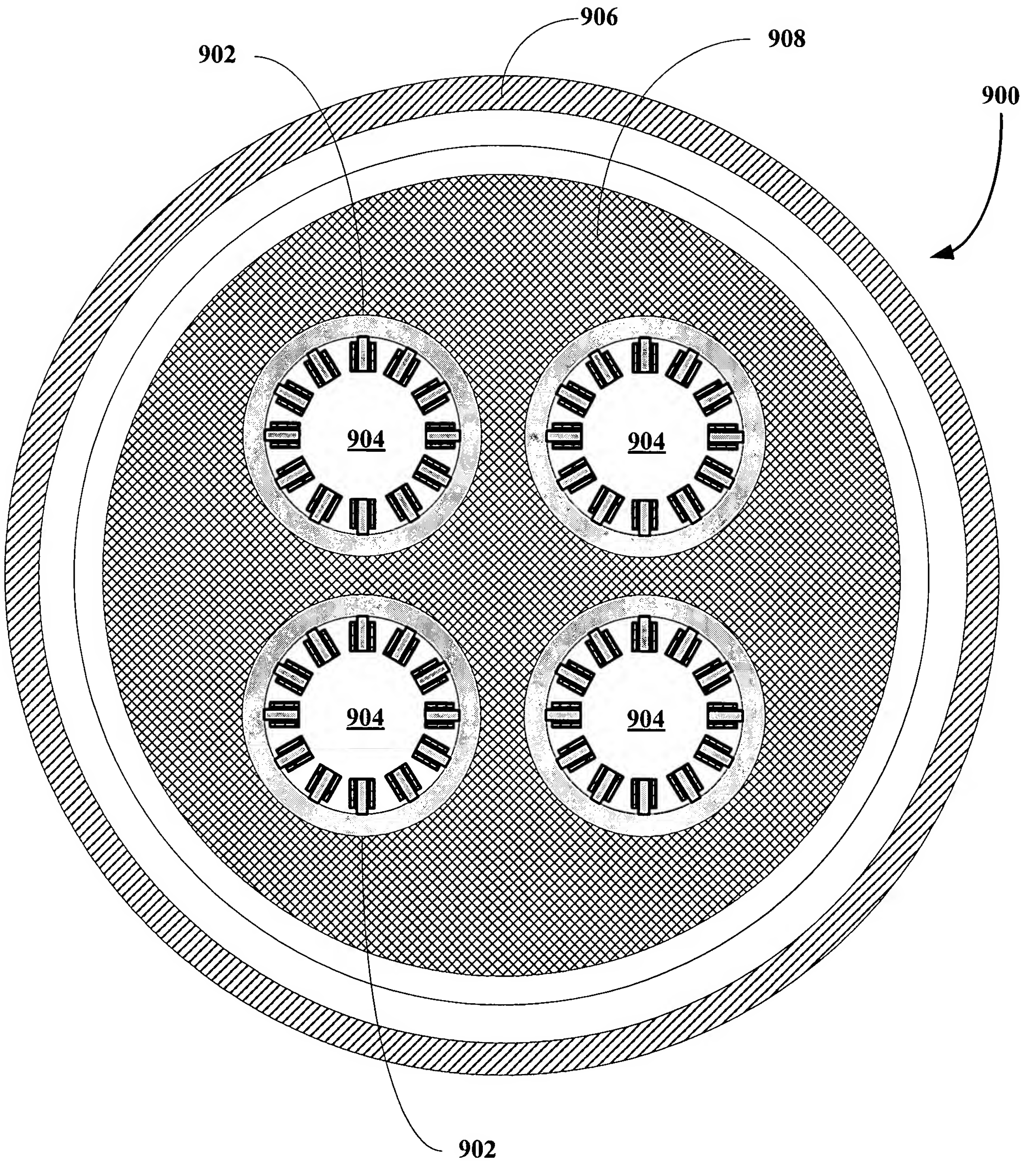


FIG. 9

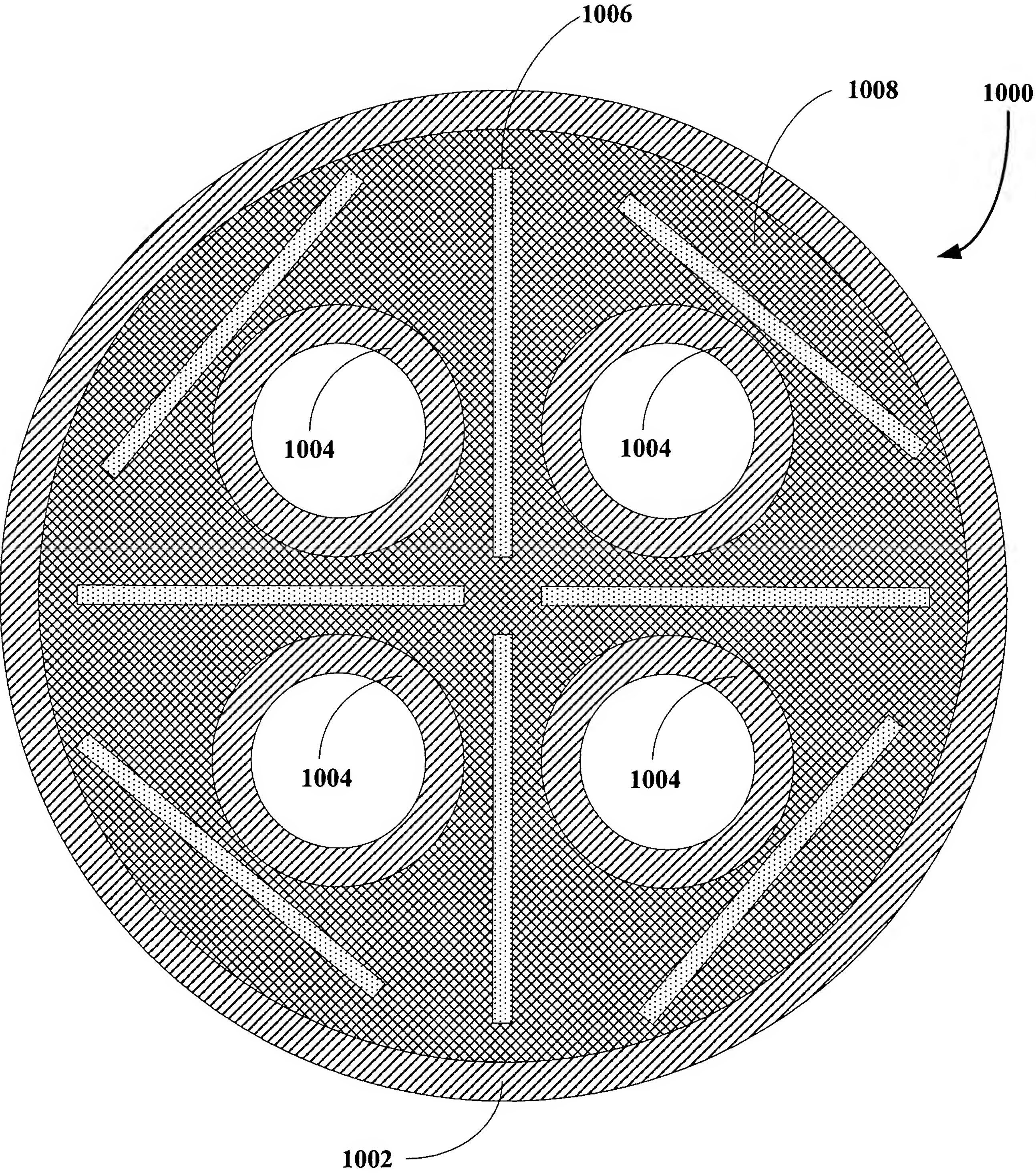


FIG. 10

IV. ADDITIONAL INFORMATION
SNR for Two Saddle Coils in Horizontal Position

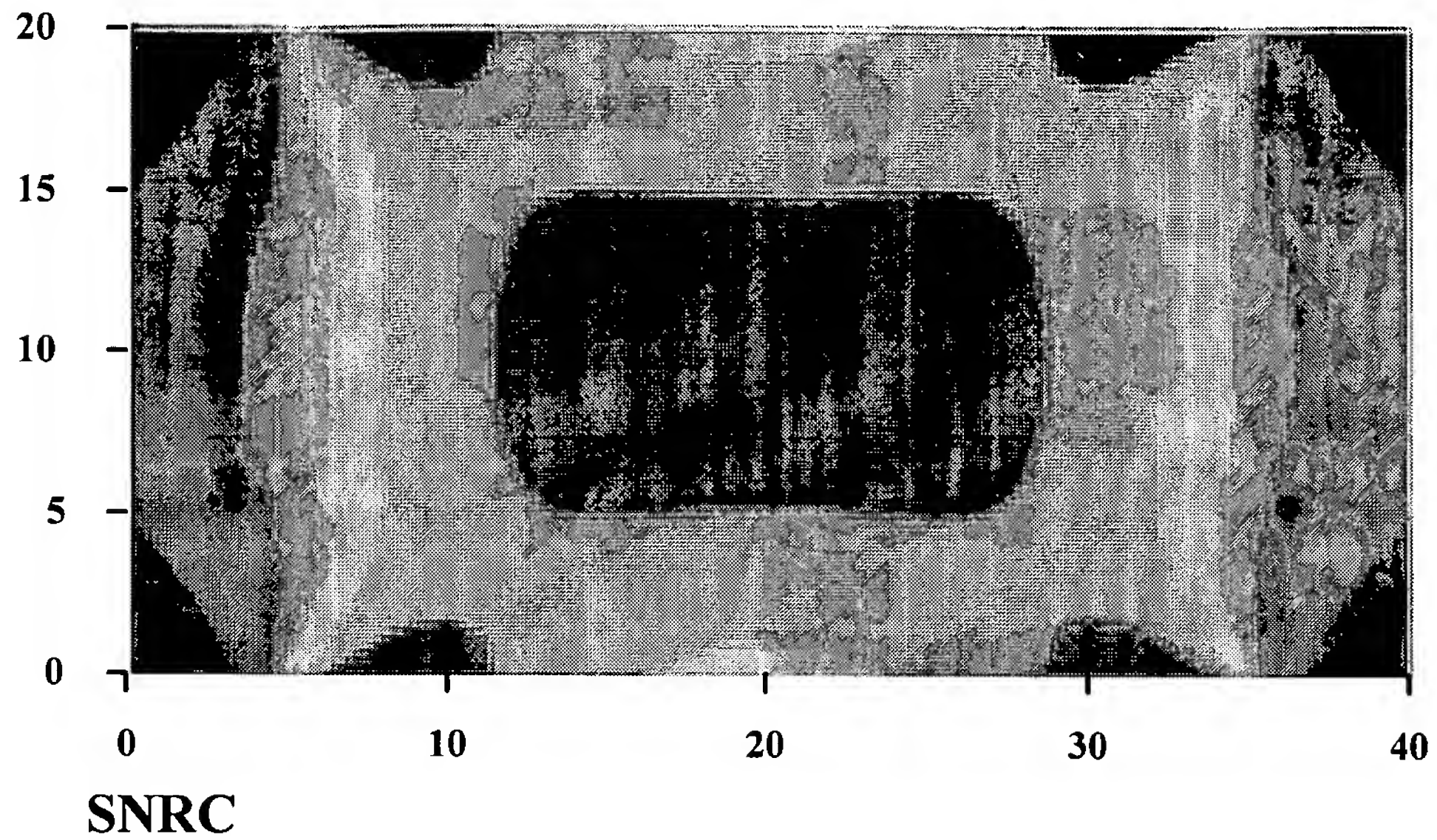


FIG. 11A

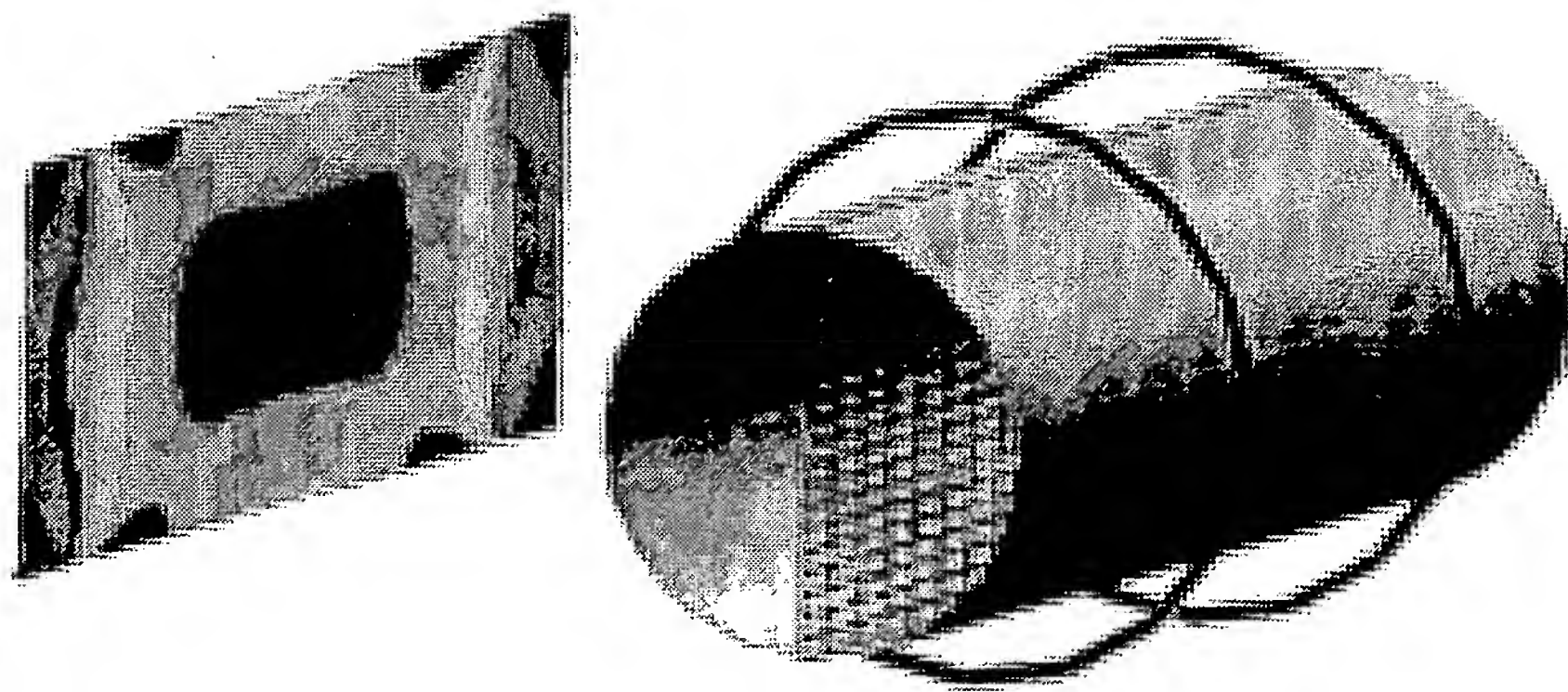
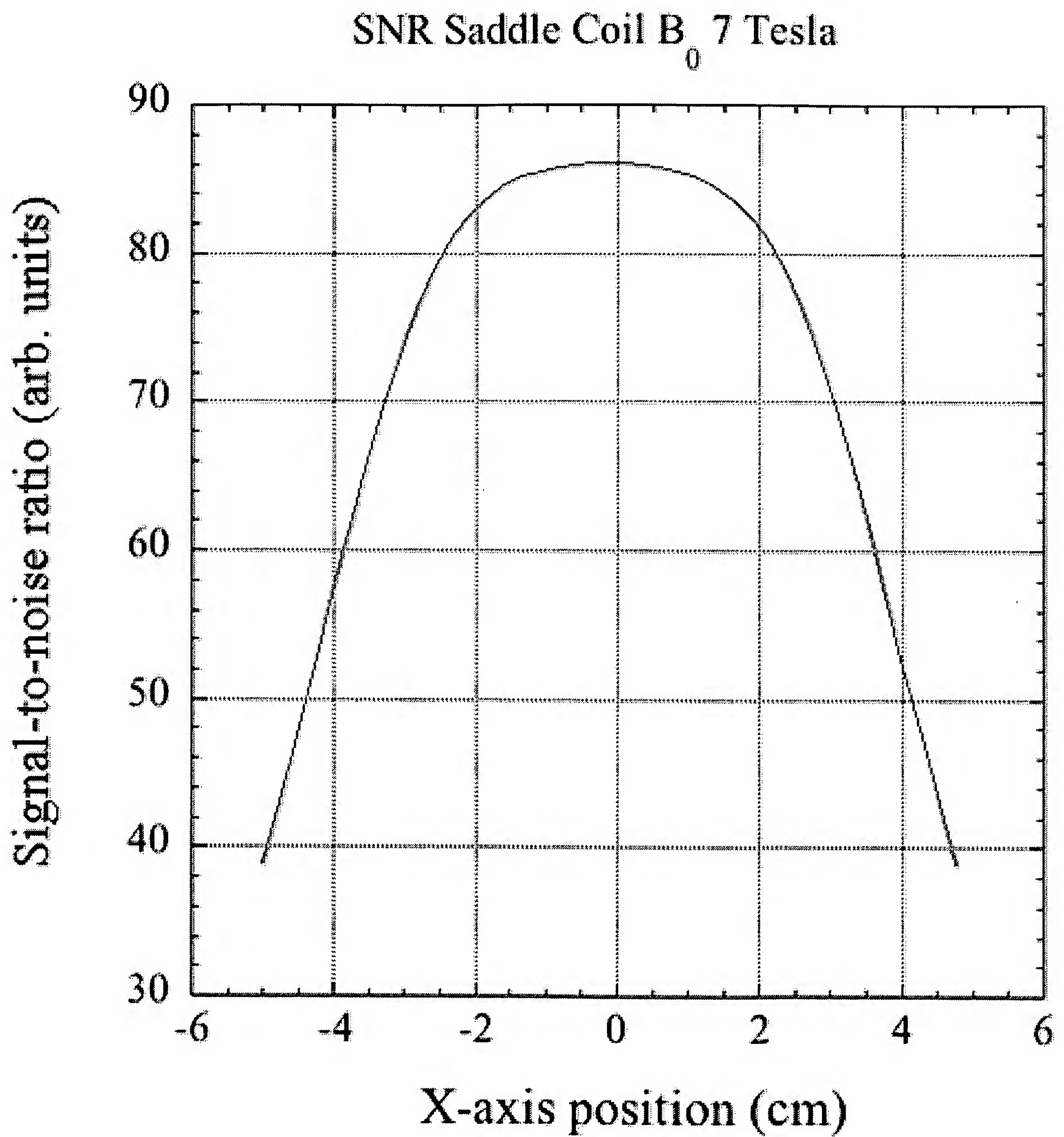
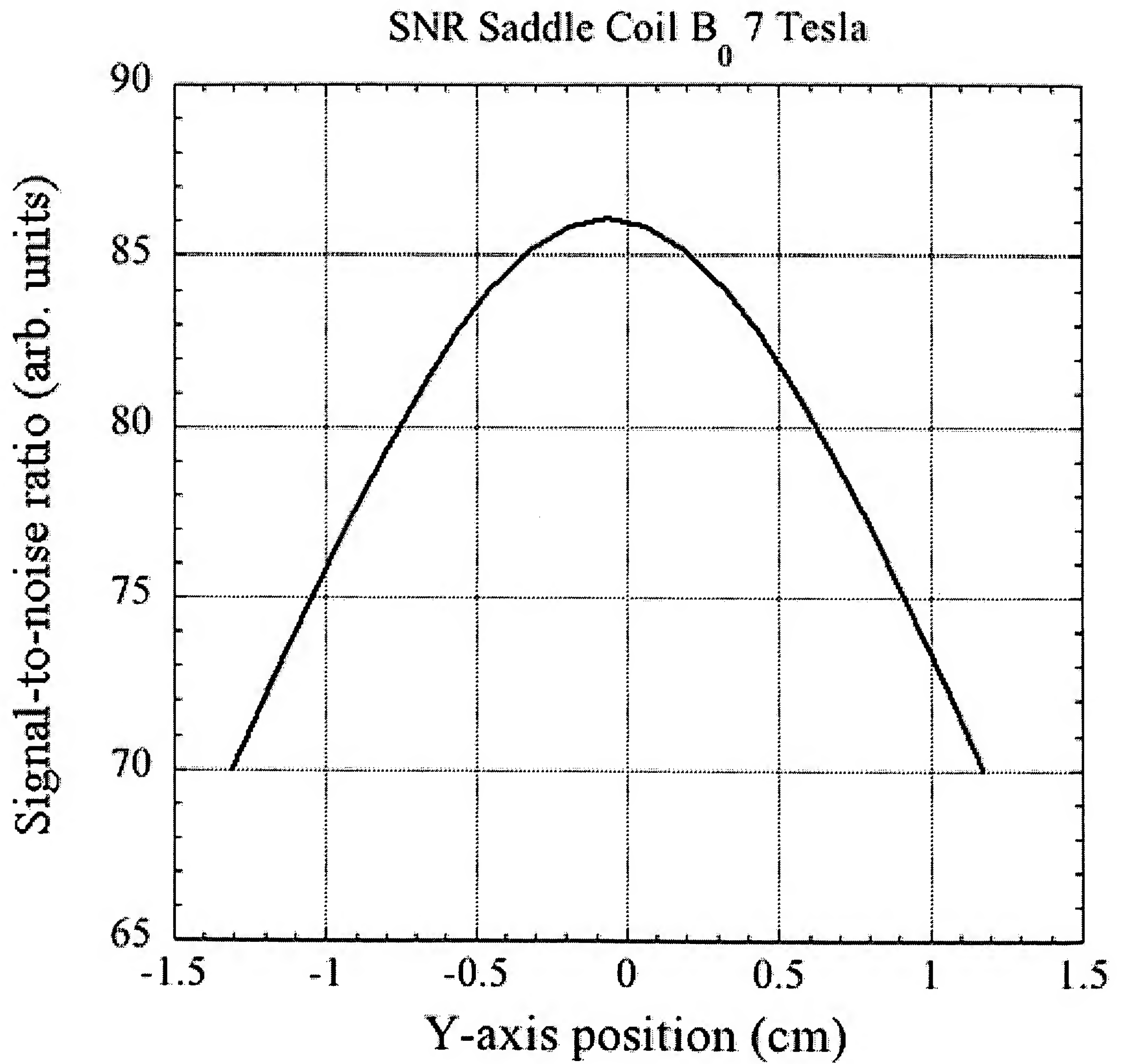


FIG. 11B

**FIG. 11C**

**FIG. 11D**

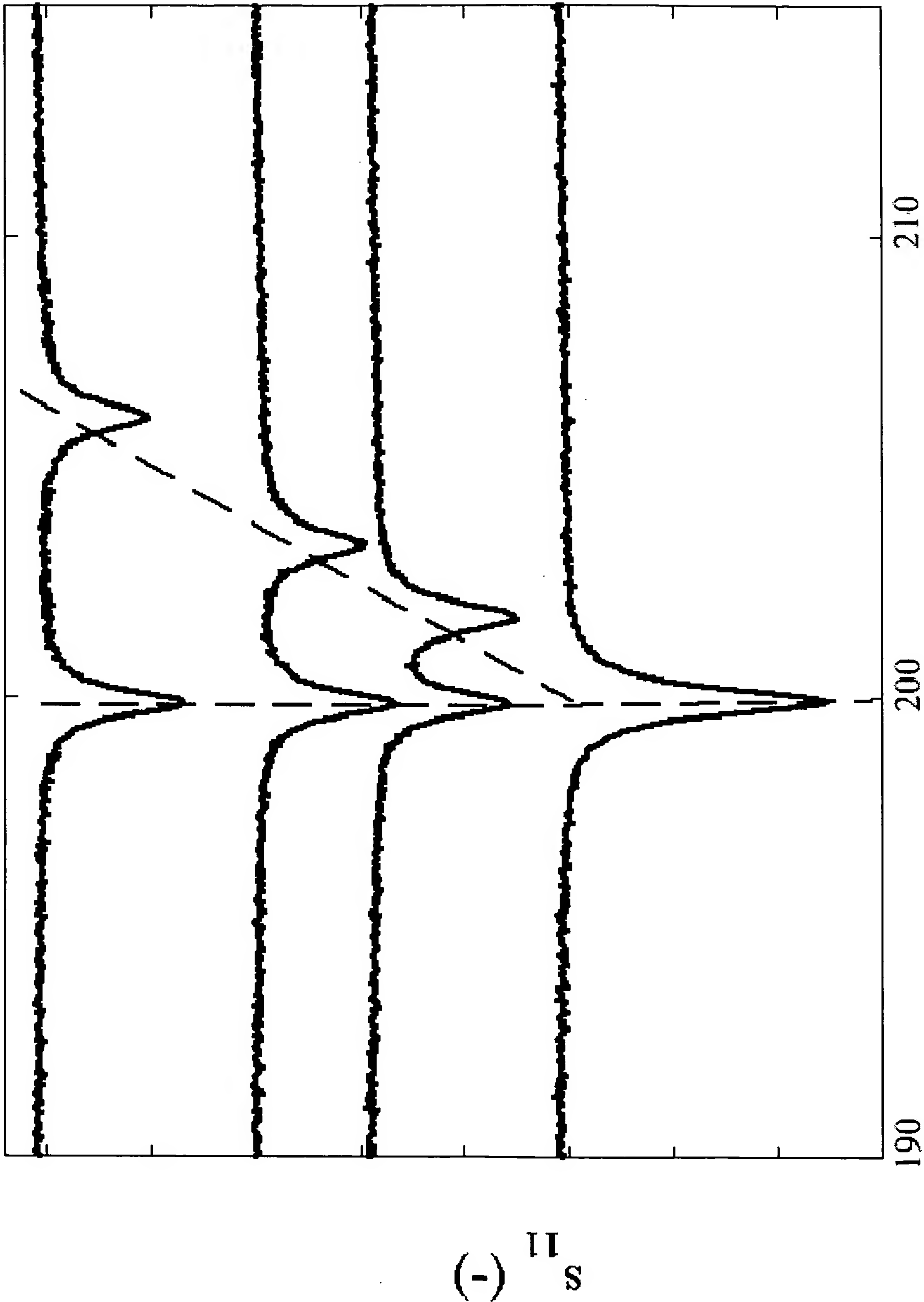


FIG. 12A

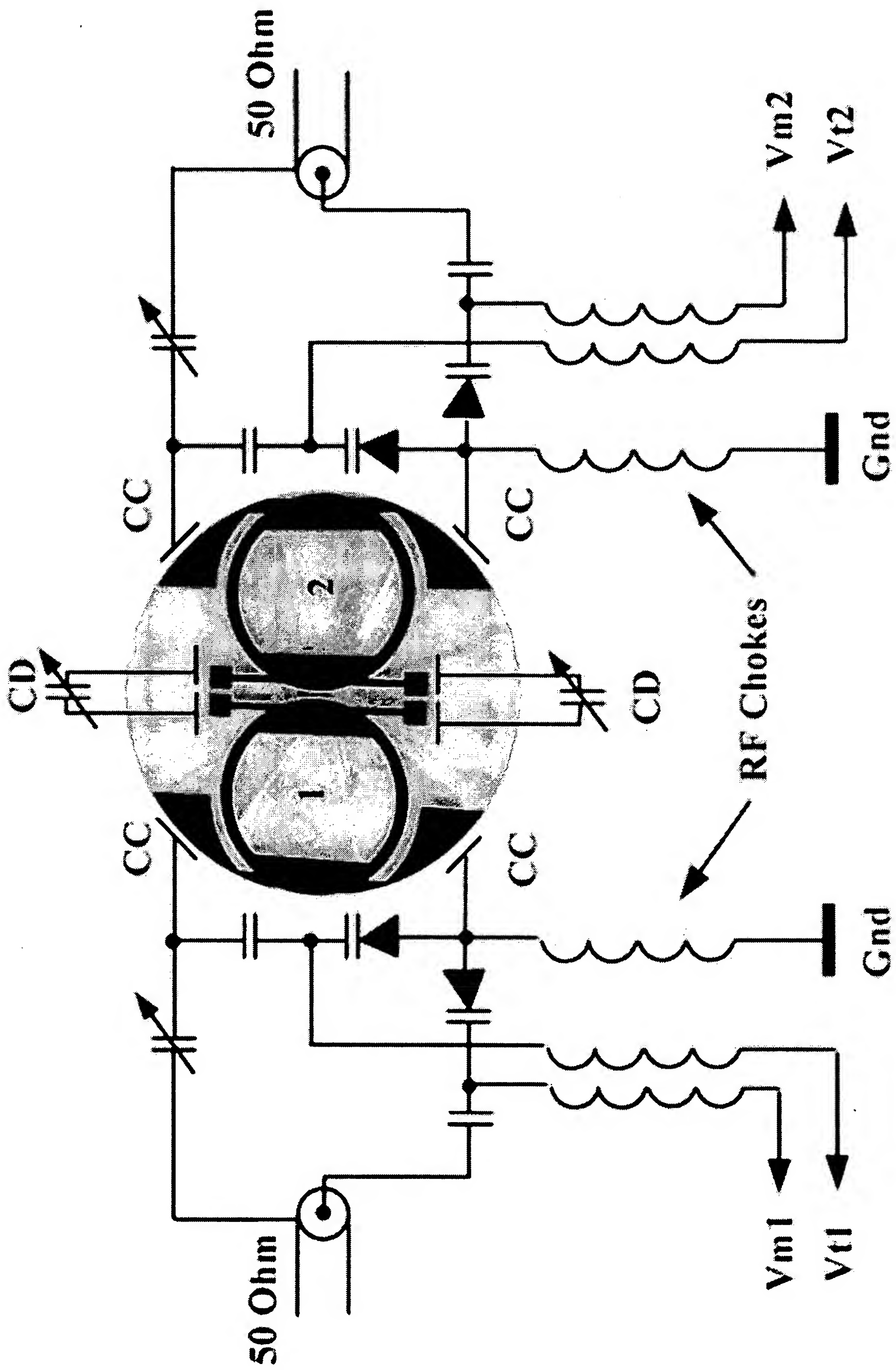


FIG. 12B